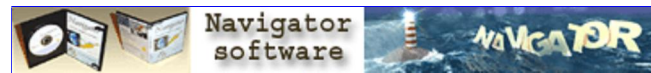


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2013 OCT. 2, 3, 4 (WED, THU, FRI)

		ARIES			VENUS			MARS			JUPITER			SATURN		
G.M.T		GHA			GHA	Dec		GHA	Dec		GHA	Dec		GHA	Dec	
d	h	°	'		°	'		°	'		°	'		°	'	
2	0	10	52.6		140	13.5 S20	46.6	226	12.9 N15	25.8	260	54.6 N22	05.6	152	28.5 S12	47.8
	1	25	55.1		155	13.1 S20	47.5	241	13.9 N15	25.3	275	56.7 N22	05.6	167	30.7 S12	47.8
	2	40	57.6		170	12.7 S20	48.3	256	14.9 N15	24.9	290	58.9 N22	05.6	182	32.9 S12	47.9
	3	56	00.0		185	12.3 S20	49.2	271	15.8 N15	24.4	306	01.1 N22	05.5	197	35.1 S12	48.0
	4	71	02.5		200	11.9 S20	50.0	286	16.8 N15	23.9	321	03.2 N22	05.5	212	37.3 S12	48.1
W	5	86	05.0		215	11.6 S20	50.9	301	17.7 N15	23.4	336	05.4 N22	05.5	227	39.5 S12	48.2
E																
D	6	101	07.4		230	11.2 S20	51.8	316	18.7 N15	23.0	351	07.6 N22	05.4	242	41.7 S12	48.3
N	7	116	09.9		245	10.8 S20	52.6	331	19.6 N15	22.5	6	09.8 N22	05.4	257	43.9 S12	48.4
E	8	131	12.3		260	10.4 S20	53.5	346	20.6 N15	22.0	21	11.9 N22	05.4	272	46.1 S12	48.5
S	9	146	14.8		275	10.0 S20	54.3	1	21.6 N15	21.5	36	14.1 N22	05.3	287	48.3 S12	48.6
D	10	161	17.3		290	09.6 S20	55.2	16	22.5 N15	21.1	51	16.3 N22	05.3	302	50.5 S12	48.6
A	11	176	19.7		305	09.2 S20	56.0	31	23.5 N15	20.6	66	18.5 N22	05.3	317	52.7 S12	48.7
Y																
	12	191	22.2		320	08.9 S20	56.9	46	24.4 N15	20.1	81	20.6 N22	05.3	332	54.9 S12	48.8
	13	206	24.7		335	08.5 S20	57.7	61	25.4 N15	19.6	96	22.8 N22	05.2	347	57.1 S12	48.9
	14	221	27.1		350	08.1 S20	58.6	76	26.4 N15	19.2	111	25.0 N22	05.2	2	59.3 S12	49.0
	15	236	29.6		5	07.7 S20	59.4	91	27.3 N15	18.7	126	27.2 N22	05.2	18	01.5 S12	49.1
	16	251	32.1		20	07.3 S21	00.3	106	28.3 N15	18.2	141	29.3 N22	05.1	33	03.7 S12	49.2
	17	266	34.5		35	06.9 S21	01.1	121	29.2 N15	17.7	156	31.5 N22	05.1	48	05.9 S12	49.3
	18	281	37.0		50	06.5 S21	02.0	136	30.2 N15	17.3	171	33.7 N22	05.1	63	08.1 S12	49.4
	19	296	39.5		65	06.1 S21	02.8	151	31.2 N15	16.8	186	35.9 N22	05.0	78	10.3 S12	49.5
	20	311	41.9		80	05.8 S21	03.7	166	32.1 N15	16.3	201	38.0 N22	05.0	93	12.5 S12	49.5
	21	326	44.4		95	05.4 S21	04.5	181	33.1 N15	15.8	216	40.2 N22	05.0	108	14.7 S12	49.6
	22	341	46.8		110	05.0 S21	05.4	196	34.1 N15	15.3	231	42.4 N22	04.9	123	16.9 S12	49.7
	23	356	49.3		125	04.6 S21	06.2	211	35.0 N15	14.9	246	44.6 N22	04.9	138	19.1 S12	49.8
3	0	11	51.8		140	04.2 S21	07.0	226	36.0 N15	14.4	261	46.8 N22	04.9	153	21.3 S12	49.9
	1	26	54.2		155	03.8 S21	07.9	241	36.9 N15	13.9	276	48.9 N22	04.8	168	23.5 S12	50.0
	2	41	56.7		170	03.4 S21	08.7	256	37.9 N15	13.4	291	51.1 N22	04.8	183	25.7 S12	50.1
	3	56	59.2		185	03.0 S21	09.6	271	38.9 N15	13.0	306	53.3 N22	04.8	198	27.9 S12	50.2
	4	72	01.6		200	02.6 S21	10.4	286	39.8 N15	12.5	321	55.5 N22	04.7	213	30.1 S12	50.3
T	5	87	04.1		215	02.2 S21	11.2	301	40.8 N15	12.0	336	57.7 N22	04.7	228	32.3 S12	50.4
H																
U	6	102	06.6		230	01.8 S21	12.1	316	41.8 N15	11.5	351	59.8 N22	04.7	243	34.5 S12	50.4
R	7	117	09.0		245	01.5 S21	12.9	331	42.7 N15	11.0	7	02.0 N22	04.6	258	36.7 S12	50.5
S	8	132	11.5		260	01.1 S21	13.8	346	43.7 N15	10.6	22	04.2 N22	04.6	273	38.9 S12	50.6
D	9	147	13.9		275	00.7 S21	14.6	1	44.7 N15	10.1	37	06.4 N22	04.6	288	41.1 S12	50.7
A	10	162	16.4		290	00.3 S21	15.4	16	45.6 N15	09.6	52	08.6 N22	04.5	303	43.3 S12	50.8
Y	11	177	18.9		304	59.9 S21	16.3	31	46.6 N15	09.1	67	10.7 N22	04.5	318	45.5 S12	50.9
	12	192	21.3		319	59.5 S21	17.1	46	47.5 N15	08.7	82	12.9 N22	04.5	333	47.7 S12	51.0
	13	207	23.8		334	59.1 S21	17.9	61	48.5 N15	08.2	97	15.1 N22	04.4	348	49.9 S12	51.1
	14	222	26.3		349	58.7 S21	18.7	76	49.5 N15	07.7	112	17.3 N22	04.4	3	52.1 S12	51.2
	15	237	28.7		4	58.3 S21	19.6	91	50.4 N15	07.2	127	19.5 N22	04.4	18	54.3 S12	51.3
	16	252	31.2		19	57.9 S21	20.4	106	51.4 N15	06.7	142	21.7 N22	04.4	33	56.5 S12	51.3
	17	267	33.7		34	57.5 S21	21.2	121	52.4 N15	06.3	157	23.8 N22	04.3	48	58.7 S12	51.4
	18	282	36.1		49	57.1 S21	22.1	136	53.3 N15	05.8	172	26.0 N22	04.3	64	00.9 S12	51.5
	19	297	38.6		64	56.7 S21	22.9	151	54.3 N15	05.3	187	28.2 N22	04.3	79	03.1 S12	51.6
	20	312	41.1		79	56.3 S21	23.7	166	55.3 N15	04.8	202	30.4 N22	04.2	94	05.3 S12	51.7
	21	327	43.5		94	55.9 S21	24.5	181	56.2 N15	04.3	217	32.6 N22	04.2	109	07.5 S12	51.8
	22	342	46.0		109	55.5 S21	25.4	196	57.2 N15	03.9	232	34.8 N22	04.2	124	09.7 S12	51.9
	23	357	48.4		124	55.1 S21	26.2	211	58.2 N15	03.4	247	37.0 N22	04.1	139	11.9 S12	52.0
4	0	12	50.9		139	54.7 S21	27.0	226	59.1 N15	02.9	262	39.1 N22	04.1	154	14.1 S12	52.1
	1	27	53.4		154	54.4 S21	27.8	242	00.1 N15	02.4	277	41.3 N22	04.1	169	16.3 S12	52.2
	2	42	55.8		169	54.0 S21	28.7	257	01.1 N15	01.9	292	43.5 N22	04.0	184	18.5 S12	52.2
	3	57	58.3		184	53.6 S21	29.5	272	02.0 N15	01.5	307	45.7 N22	04.0	199	20.7 S12	52.3
	4	73	00.8		199	53.2 S21	30.3	287	03.0 N15	01.0	322	47.9 N22	04.0	214	22.9 S12	52.4
F	5	88	03.2		214	52.8 S21	31.1	302	04.0 N15	00.5	337	50.1 N22	03.9	229	25.1 S12	52.5
R																
I	6	103	05.7		229	52.4 S21	31.9	317	04.9 N15	00.0	352	52.3 N22	03.9	244	27.3 S12	52.6
D	7	118	08.2		244	52.0 S21	32.7	332	05.9 N14	59.5	7	54.4 N22	03.9	259	29.5 S12	52.7

A	8	133	10.6	259	51.6	S21	33.6	347	06.9	N14	59.1	22	56.6	N22	03.9	274	31.7	S12	52.8
Y	9	148	13.1	274	51.2	S21	34.4	2	07.9	N14	58.6	37	58.8	N22	03.8	289	33.9	S12	52.9
	10	163	15.5	289	50.8	S21	35.2	17	08.8	N14	58.1	53	01.0	N22	03.8	304	36.1	S12	53.0
	11	178	18.0	304	50.4	S21	36.0	32	09.8	N14	57.6	68	03.2	N22	03.8	319	38.3	S12	53.1
	12	193	20.5	319	50.0	S21	36.8	47	10.8	N14	57.1	83	05.4	N22	03.7	334	40.5	S12	53.1
	13	208	22.9	334	49.6	S21	37.6	62	11.7	N14	56.7	98	07.6	N22	03.7	349	42.7	S12	53.2
	14	223	25.4	349	49.2	S21	38.4	77	12.7	N14	56.2	113	09.8	N22	03.7	4	44.9	S12	53.3
	15	238	27.9	4	48.8	S21	39.2	92	13.7	N14	55.7	128	12.0	N22	03.6	19	47.1	S12	53.4
	16	253	30.3	19	48.4	S21	40.0	107	14.6	N14	55.2	143	14.2	N22	03.6	34	49.2	S12	53.5
	17	268	32.8	34	48.0	S21	40.9	122	15.6	N14	54.7	158	16.3	N22	03.6	49	51.4	S12	53.6
	18	283	35.3	49	47.6	S21	41.7	137	16.6	N14	54.3	173	18.5	N22	03.5	64	53.6	S12	53.7
	19	298	37.7	64	47.2	S21	42.5	152	17.6	N14	53.8	188	20.7	N22	03.5	79	55.8	S12	53.8
	20	313	40.2	79	46.8	S21	43.3	167	18.5	N14	53.3	203	22.9	N22	03.5	94	58.0	S12	53.9
	21	328	42.7	94	46.4	S21	44.1	182	19.5	N14	52.8	218	25.1	N22	03.4	110	00.2	S12	54.0
	22	343	45.1	109	46.0	S21	44.9	197	20.5	N14	52.3	233	27.3	N22	03.4	125	02.4	S12	54.0
	23	358	47.6	124	45.6	S21	45.7	212	21.5	N14	51.8	248	29.5	N22	03.4	140	04.6	S12	54.1
				v -0.4		d 0.8		v 1.0		d 0.5		v 2.2		d 0.0		v 2.2		d 0.1	

2013 OCT. 2, 3, 4 (WED, THU, FRI)

		SUN			MOON						STARS		
G.M.T		GHA	Dec		GHA	v	Dec	d	HP		Name	SHA	Dec
d	h												
2	0	182	38.6	S 3	217	56.6	13.6	N 6	05.5	10.0	55.6	Acamar	315 17.8 S40 14.8
	1	197	38.8	S 3	232	29.3	13.6	N 5	55.4	10.0	55.6	Achernar	335 26.1 S57 09.9
	2	212	39.0	S 3	247	01.9	13.6	N 5	45.4	10.1	55.7	Acrux	173 09.7 S63 10.4
	3	227	39.1	S 3	261	34.5	13.6	N 5	35.3	10.1	55.7	Adhara	255 12.4 S28 59.3
	4	242	39.3	S 3	276	07.0	13.6	N 5	25.1	10.1	55.7	Albireo	67 10.6 N27 59.7
W	5	257	39.5	S 3	290	39.6	13.6	N 5	14.9	10.2	55.7		
E												Aldebaran	290 49.0 N16 32.1
D	6	272	39.7	S 3	305	12.2	13.6	N 5	04.7	10.2	55.8	Alioth	166 21.1 N55 53.2
N	7	287	39.9	S 3	319	44.7	13.5	N 4	54.5	10.2	55.8	Alkaid	152 59.2 N49 14.8
E	8	302	40.1	S 3	334	17.3	13.5	N 4	44.2	10.3	55.8	Al Na-ir	27 43.1 S46 53.6
S	9	317	40.3	S 3	348	49.8	13.5	N 4	33.9	10.3	55.8	Alnilam	275 46.0 S 1 11.6
D	10	332	40.5	S 3	3	22.3	13.5	N 4	23.6	10.3	55.9		
A	11	347	40.7	S 3	17	54.8	13.5	N 4	13.2	10.4	55.9	Alphard	217 56.1 S 8 43.1
Y												Alphecca	126 11.1 N26 40.4
	12	2	40.9	S 3	32	27.2	13.5	N 4	02.9	10.4	55.9	Alpheratz	357 42.9 N29 10.2
	13	17	41.1	S 3	46	59.7	13.5	N 3	52.4	10.4	55.9	Altair	62 07.9 N 8 54.6
	14	32	41.3	S 3	61	32.1	13.4	N 3	42.0	10.4	56.0	Ankaa	353 15.1 S42 13.8
	15	47	41.5	S 3	76	04.5	13.4	N 3	31.5	10.5	56.0		
	16	62	41.7	S 3	90	36.9	13.4	N 3	21.0	10.5	56.0	Antares	112 26.2 S26 27.6
	17	77	41.9	S 3	105	09.3	13.4	N 3	10.5	10.5	56.0	Arcturus	145 55.9 N19 06.8
												Atria	107 28.1 S69 03.2
	18	92	42.1	S 3	119	41.7	13.4	N 2	59.9	10.6	56.1	Avior	234 18.1 S59 33.1
	19	107	42.3	S 3	134	14.0	13.3	N 2	49.4	10.6	56.1	Bellatrix	278 31.7 N 6 21.7
	20	122	42.5	S 3	148	46.4	13.3	N 2	38.8	10.6	56.1		
	21	137	42.7	S 3	163	18.7	13.3	N 2	28.1	10.6	56.1	Betelgeuse	271 01.0 N 7 24.5
	22	152	42.9	S 3	177	50.9	13.3	N 2	17.5	10.6	56.2	Canopus	263 56.0 S52 42.0
	23	167	43.1	S 3	192	23.2	13.3	N 2	06.8	10.7	56.2	Capella	280 34.0 N46 00.4
												Castor	246 07.8 N31 51.3
3	0	182	43.3	S 3	206	55.4	13.2	N 1	56.2	10.7	56.2	Deneb	49 31.1 N45 20.2
	1	197	43.5	S 3	221	27.6	13.2	N 1	45.5	10.7	56.3		
	2	212	43.7	S 3	235	59.8	13.2	N 1	34.7	10.7	56.3	Denebola	182 33.8 N14 29.7
	3	227	43.9	S 3	250	32.0	13.2	N 1	24.0	10.7	56.3	Diphda	348 55.4 S17 54.5
	4	242	44.1	S 4	265	04.1	13.1	N 1	13.2	10.8	56.3	Dubhe	193 52.1 N61 40.4
T	5	257	44.2	S 4	279	36.2	13.1	N 1	02.5	10.8	56.4	Elnath	278 12.3 N28 36.9
H												Eltanin	90 46.2 N51 29.7
U	6	272	44.4	S 4	294	08.3	13.1	N 0	51.7	10.8	56.4		
R	7	287	44.6	S 4	308	40.3	13.1	N 0	40.9	10.8	56.4	Enif	33 46.6 N 9 56.6
S	8	302	44.8	S 4	323	12.4	13.0	N 0	30.1	10.8	56.4	Fomalhaut	15 23.4 S29 32.8
D	9	317	45.0	S 4	337	44.4	13.0	N 0	19.2	10.8	56.5	Gacrux	172 01.2 S57 11.4
A	10	332	45.2	S 4	352	16.3	13.0	N 0	08.4	10.8	56.5	Gienah	175 52.4 S17 37.0
Y	11	347	45.4	S 4	6	48.3	12.9	S 0	02.5	10.9	56.5	Hadar	148 48.2 S60 26.4
	12	2	45.6	S 4	21	20.2	12.9	S 0	13.3	10.9	56.5	Hamal	328 00.2 N23 31.7
	13	17	45.8	S 4	35	52.0	12.9	S 0	24.2	10.9	56.6	Kaus Austr.	83 43.6 S34 22.6
	14	32	46.0	S 4	50	23.9	12.8	S 0	35.1	10.9	56.6	Kochab	137 21.2 N74 06.2
	15	47	46.2	S 4	64	55.7	12.8	S 0	46.0	10.9	56.6	Markab	13 37.8 N15 17.0
	16	62	46.4	S 4	79	27.5	12.8	S 0	56.9	10.9	56.6	Menkar	314 14.5 N 4 08.7
	17	77	46.6	S 4	93	59.2	12.7	S 1	07.8	10.9	56.7		
												Menkent	148 07.7 S36 26.2
	18	92	46.8	S 4	108	30.9	12.7	S 1	18.7	10.9	56.7	Miaplacidus	221 40.1 S69 46.3
	19	107	47.0	S 4	123	02.6	12.7	S 1	29.6	10.9	56.7	Mirfak	308 39.7 N49 54.5
	20	122	47.1	S 4	137	34.2	12.6	S 1	40.5	10.9	56.8	Nunki	75 58.1 S26 16.6
	21	137	47.3	S 4	152	05.9	12.6	S 1	51.4	10.9	56.8	Peacock	53 18.7 S56 41.4
	22	152	47.5	S 4	166	37.4	12.6	S 2	02.3	10.9	56.8		

23		167	47.7	S	4	18.6		181	09.0	12.5	S	2	13.2	10.9	56.8		Polaris	318	38.7	N89	18.3	
-----																	Pollux	243	27.6	N27	59.4	
4	0		182	47.9	S	4	19.6		195	40.4	12.5	S	2	24.2	10.9	56.9		Procyon	244	59.6	N 5	11.3
	1		197	48.1	S	4	20.5		210	11.9	12.5	S	2	35.1	10.9	56.9		Rasalhague	96	06.4	N12	33.4
	2		212	48.3	S	4	21.5		224	43.3	12.4	S	2	46.0	10.9	56.9		Regulus	207	43.5	N11	54.0
	3		227	48.5	S	4	22.5		239	14.7	12.4	S	2	56.9	10.9	56.9						
	4		242	48.7	S	4	23.4		253	46.0	12.3	S	3	07.8	10.9	57.0		Rigel	281	11.7	S 8	11.1
F	5		257	48.9	S	4	24.4		268	17.3	12.3	S	3	18.7	10.9	57.0		Rigil Kent	139	52.1	S60	53.5
R																	Sabik	102	12.4	S15	44.3	
I	6		272	49.1	S	4	25.4		282	48.6	12.3	S	3	29.6	10.9	57.0		Schedar	349	39.6	N56	36.9
D	7		287	49.2	S	4	26.3		297	19.8	12.2	S	3	40.5	10.9	57.0		Shaula	96	21.7	S37	06.7
A	8		302	49.4	S	4	27.3		311	51.0	12.2	S	3	51.4	10.9	57.1						
Y	9		317	49.6	S	4	28.2		326	22.1	12.1	S	4	02.2	10.9	57.1		Sirius	258	33.5	S16	44.0
	10		332	49.8	S	4	29.2		340	53.2	12.1	S	4	13.1	10.9	57.1		Spica	158	31.3	S11	13.9
	11		347	50.0	S	4	30.2		355	24.2	12.0	S	4	23.9	10.8	57.1		Suhail	222	52.5	S43	29.2
																	Vega	80	38.8	N38	48.2	
	12		2	50.2	S	4	31.1		9	55.2	12.0	S	4	34.8	10.8	57.2		Zuben-ubi	137	06.0	S16	05.8
	13		17	50.4	S	4	32.1		24	26.2	12.0	S	4	45.6	10.8	57.2						
	14		32	50.6	S	4	33.1		38	57.1	11.9	S	4	56.4	10.8	57.2						
	15		47	50.8	S	4	34.0		53	27.9	11.9	S	5	07.2	10.8	57.3						
	16		62	51.0	S	4	35.0		67	58.8	11.8	S	5	18.0	10.8	57.3						
	17		77	51.1	S	4	35.9		82	29.5	11.8	S	5	28.8	10.8	57.3						
	18		92	51.3	S	4	36.9		97	00.3	11.7	S	5	39.5	10.7	57.3						
	19		107	51.5	S	4	37.9		111	30.9	11.7	S	5	50.2	10.7	57.4						
	20		122	51.7	S	4	38.8		126	01.5	11.6	S	6	00.9	10.7	57.4						
	21		137	51.9	S	4	39.8		140	32.1	11.6	S	6	11.6	10.7	57.4						
	22		152	52.1	S	4	40.8		155	02.6	11.5	S	6	22.3	10.7	57.4						
	23		167	52.3	S	4	41.7		169	33.1	11.5	S	6	32.9	10.6	57.5						
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			S.D.	16.0		d	1.0		S.D.		15.2		15.4		15.6							

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