

SŁOŃCE

Data 2013	0 ^h UT			Data 2013	0 ^h UT				
	X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		
I	1	0.18002	-0.88692	-0.38450	II	16	0.83131	-0.48979	-0.21233
	2	0.19718	-0.88384	-0.38316		17	0.84076	-0.47637	-0.20651
	3	0.21428	-0.88048	-0.38171		18	0.84994	-0.46280	-0.20063
	4	0.23132	-0.87685	-0.38013		19	0.85887	-0.44910	-0.19469
	5	0.24829	-0.87295	-0.37844		20	0.86753	-0.43526	-0.18869
	6	0.26518	-0.86878	-0.37663		21	0.87592	-0.42128	-0.18264
	7	0.28199	-0.86433	-0.37470		22	0.88405	-0.40718	-0.17652
	8	0.29871	-0.85962	-0.37266		23	0.89191	-0.39296	-0.17036
	9	0.31534	-0.85463	-0.37050		24	0.89949	-0.37861	-0.16414
	10	0.33187	-0.84938	-0.36822		25	0.90681	-0.36415	-0.15787
	11	0.34830	-0.84386	-0.36583		26	0.91384	-0.34959	-0.15156
	12	0.36463	-0.83808	-0.36332		27	0.92060	-0.33491	-0.14519
	13	0.38083	-0.83204	-0.36070		28	0.92708	-0.32014	-0.13879
	14	0.39692	-0.82573	-0.35797	III	1	0.93328	-0.30526	-0.13234
	15	0.41288	-0.81917	-0.35512		2	0.93920	-0.29030	-0.12585
	16	0.42872	-0.81235	-0.35217		3	0.94483	-0.27524	-0.11932
	17	0.44442	-0.80528	-0.34910		4	0.95018	-0.26010	-0.11276
	18	0.45997	-0.79796	-0.34593		5	0.95524	-0.24488	-0.10616
	19	0.47539	-0.79040	-0.34265		6	0.96002	-0.22958	-0.09953
	20	0.49065	-0.78258	-0.33926		7	0.96450	-0.21422	-0.09286
	21	0.50576	-0.77453	-0.33577		8	0.96868	-0.19878	-0.08617
	22	0.52072	-0.76623	-0.33218		9	0.97258	-0.18329	-0.07946
	23	0.53551	-0.75770	-0.32848		10	0.97618	-0.16773	-0.07271
	24	0.55013	-0.74894	-0.32468		11	0.97948	-0.15213	-0.06595
	25	0.56459	-0.73994	-0.32078		12	0.98248	-0.13648	-0.05916
	26	0.57887	-0.73072	-0.31678		13	0.98519	-0.12079	-0.05236
	27	0.59297	-0.72127	-0.31269		14	0.98760	-0.10506	-0.04554
	28	0.60689	-0.71160	-0.30849		15	0.98971	-0.08930	-0.03871
	29	0.62062	-0.70171	-0.30421		16	0.99152	-0.07351	-0.03187
	30	0.63416	-0.69160	-0.29983		17	0.99303	-0.05771	-0.02502
	31	0.64750	-0.68128	-0.29535		18	0.99425	-0.04188	-0.01816
II	1	0.66065	-0.67075	-0.29079		19	0.99516	-0.02605	-0.01129
	2	0.67359	-0.66001	-0.28613		20	0.99577	-0.01021	-0.00443
	3	0.68633	-0.64907	-0.28138		21	0.99609	0.00564	0.00244
	4	0.69886	-0.63793	-0.27655		22	0.99611	0.02148	0.00931
	5	0.71117	-0.62658	-0.27163		23	0.99583	0.03731	0.01617
	6	0.72326	-0.61504	-0.26663		24	0.99526	0.05313	0.02303
	7	0.73513	-0.60331	-0.26155		25	0.99439	0.06893	0.02988
	8	0.74677	-0.59140	-0.25638		26	0.99322	0.08471	0.03672
	9	0.75819	-0.57930	-0.25113		27	0.99176	0.10047	0.04355
	10	0.76936	-0.56701	-0.24581		28	0.99000	0.11619	0.05037
	11	0.78030	-0.55456	-0.24041		29	0.98796	0.13188	0.05717
	12	0.79100	-0.54193	-0.23493		30	0.98562	0.14754	0.06396
	13	0.80145	-0.52913	-0.22939		31	0.98299	0.16315	0.07073
	14	0.81166	-0.51617	-0.22377	IV	1	0.98006	0.17871	0.07747
II	15	0.82161	-0.50306	-0.21808	IV	2	0.97685	0.19422	0.08420

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IV	3	0.97335	0.20968	0.09090	V	19	0.53605	0.78720	0.34126
	4	0.96956	0.22507	0.09757		20	0.52166	0.79550	0.34486
	5	0.96548	0.24040	0.10422		21	0.50712	0.80358	0.34836
	6	0.96112	0.25566	0.11084		22	0.49244	0.81142	0.35176
	7	0.95647	0.27085	0.11742		23	0.47762	0.81904	0.35507
	8	0.95154	0.28596	0.12397		24	0.46267	0.82642	0.35827
	9	0.94632	0.30098	0.13048		25	0.44759	0.83357	0.36137
	10	0.94083	0.31592	0.13696		26	0.43238	0.84048	0.36436
	11	0.93505	0.33076	0.14339		27	0.41705	0.84716	0.36726
	12	0.92900	0.34550	0.14978		28	0.40160	0.85359	0.37005
	13	0.92268	0.36014	0.15613		29	0.38603	0.85979	0.37274
	14	0.91608	0.37467	0.16243		30	0.37036	0.86574	0.37532
	15	0.90922	0.38910	0.16868		31	0.35457	0.87145	0.37779
	16	0.90208	0.40340	0.17488	VI	1	0.33869	0.87691	0.38016
	17	0.89469	0.41759	0.18103		2	0.32271	0.88212	0.38242
	18	0.88703	0.43166	0.18713		3	0.30663	0.88708	0.38457
	19	0.87911	0.44559	0.19317		4	0.29047	0.89180	0.38661
	20	0.87094	0.45940	0.19915		5	0.27422	0.89625	0.38854
	21	0.86252	0.47307	0.20508		6	0.25789	0.90046	0.39036
	22	0.85384	0.48660	0.21095		7	0.24149	0.90440	0.39207
	23	0.84492	0.49999	0.21675		8	0.22502	0.90809	0.39367
	24	0.83575	0.51324	0.22249		9	0.20848	0.91152	0.39516
	25	0.82634	0.52633	0.22817		10	0.19189	0.91469	0.39653
	26	0.81670	0.53927	0.23378		11	0.17524	0.91761	0.39780
	27	0.80681	0.55206	0.23933		12	0.15855	0.92026	0.39894
	28	0.79670	0.56469	0.24480		13	0.14181	0.92265	0.39998
	29	0.78635	0.57715	0.25021		14	0.12503	0.92478	0.40090
	30	0.77578	0.58945	0.25554		15	0.10821	0.92664	0.40171
V	1	0.76498	0.60158	0.26080		16	0.09137	0.92825	0.40241
	2	0.75396	0.61354	0.26598		17	0.07450	0.92959	0.40299
	3	0.74272	0.62532	0.27109		18	0.05761	0.93067	0.40346
	4	0.73126	0.63693	0.27612		19	0.04071	0.93148	0.40381
	5	0.71960	0.64835	0.28107		20	0.02380	0.93204	0.40405
	6	0.70772	0.65958	0.28594		21	0.00688	0.93233	0.40418
	7	0.69564	0.67063	0.29073		22	-0.01003	0.93236	0.40420
	8	0.68335	0.68148	0.29543		23	-0.02695	0.93213	0.40410
	9	0.67087	0.69213	0.30005		24	-0.04386	0.93164	0.40388
	10	0.65819	0.70258	0.30458		25	-0.06075	0.93089	0.40356
	11	0.64533	0.71283	0.30902		26	-0.07763	0.92988	0.40312
	12	0.63227	0.72288	0.31338		27	-0.09449	0.92860	0.40257
	13	0.61904	0.73271	0.31764		28	-0.11132	0.92707	0.40190
	14	0.60562	0.74234	0.32181		29	-0.12812	0.92528	0.40113
	15	0.59204	0.75175	0.32589		30	-0.14489	0.92322	0.40023
	16	0.57828	0.76094	0.32988	VII	1	-0.16162	0.92091	0.39923
	17	0.56436	0.76991	0.33377		2	-0.17830	0.91833	0.39811
V	18	0.55028	0.77867	0.33756	VII	3	-0.19494	0.91550	0.39688

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VII	4	-0.21152	0.91241	0.39554	VIII	19	-0.83901	0.51923	0.22510
	5	-0.22804	0.90906	0.39409		20	-0.84822	0.50613	0.21942
	6	-0.24450	0.90545	0.39253		21	-0.85720	0.49289	0.21368
	7	-0.26090	0.90158	0.39085		22	-0.86593	0.47951	0.20788
	8	-0.27721	0.89746	0.38906		23	-0.87441	0.46600	0.20202
	9	-0.29345	0.89309	0.38717		24	-0.88265	0.45235	0.19610
	10	-0.30961	0.88847	0.38516		25	-0.89063	0.43857	0.19013
	11	-0.32568	0.88359	0.38305		26	-0.89836	0.42466	0.18410
	12	-0.34165	0.87846	0.38082		27	-0.90584	0.41063	0.17802
	13	-0.35753	0.87309	0.37849		28	-0.91306	0.39649	0.17188
	14	-0.37331	0.86746	0.37606		29	-0.92001	0.38223	0.16570
	15	-0.38898	0.86160	0.37352		30	-0.92670	0.36785	0.15947
	16	-0.40453	0.85549	0.37087		31	-0.93313	0.35337	0.15319
	17	-0.41998	0.84914	0.36812	IX	1	-0.93928	0.33879	0.14687
	18	-0.43530	0.84255	0.36526		2	-0.94517	0.32411	0.14050
	19	-0.45050	0.83573	0.36230		3	-0.95078	0.30933	0.13410
	20	-0.46557	0.82867	0.35924		4	-0.95612	0.29446	0.12765
	21	-0.48051	0.82138	0.35608		5	-0.96118	0.27951	0.12117
	22	-0.49531	0.81386	0.35282		6	-0.96596	0.26447	0.11465
	23	-0.50997	0.80611	0.34947		7	-0.97046	0.24936	0.10810
	24	-0.52450	0.79814	0.34601		8	-0.97468	0.23418	0.10152
	25	-0.53887	0.78994	0.34245		9	-0.97861	0.21893	0.09491
	26	-0.55309	0.78152	0.33880		10	-0.98226	0.20362	0.08827
	27	-0.56716	0.77288	0.33506		11	-0.98563	0.18824	0.08161
	28	-0.58108	0.76402	0.33122		12	-0.98870	0.17282	0.07492
	29	-0.59482	0.75494	0.32728		13	-0.99149	0.15735	0.06822
	30	-0.60841	0.74565	0.32325		14	-0.99399	0.14183	0.06149
	31	-0.62182	0.73615	0.31913		15	-0.99621	0.12627	0.05475
VIII	1	-0.63505	0.72644	0.31492		16	-0.99813	0.11068	0.04799
	2	-0.64811	0.71652	0.31062		17	-0.99976	0.09506	0.04121
	3	-0.66098	0.70640	0.30623		18	-1.00111	0.07941	0.03443
	4	-0.67367	0.69608	0.30176		19	-1.00216	0.06374	0.02764
	5	-0.68616	0.68555	0.29720		20	-1.00293	0.04805	0.02083
	6	-0.69846	0.67484	0.29255		21	-1.00340	0.03235	0.01402
	7	-0.71057	0.66393	0.28782		22	-1.00358	0.01663	0.00721
	8	-0.72247	0.65283	0.28301		23	-1.00347	0.00091	0.00040
	9	-0.73416	0.64154	0.27812		24	-1.00306	-0.01481	-0.00642
	10	-0.74564	0.63007	0.27315		25	-1.00236	-0.03053	-0.01323
	11	-0.75691	0.61843	0.26810		26	-1.00137	-0.04624	-0.02005
	12	-0.76796	0.60660	0.26297		27	-1.00009	-0.06193	-0.02685
	13	-0.77879	0.59461	0.25777		28	-0.99851	-0.07761	-0.03365
	14	-0.78940	0.58244	0.25250		29	-0.99663	-0.09327	-0.04044
	15	-0.79979	0.57012	0.24716		30	-0.99447	-0.10891	-0.04722
	16	-0.80994	0.55763	0.24174	X	1	-0.99201	-0.12451	-0.05398
	17	-0.81987	0.54498	0.23626		2	-0.98925	-0.14008	-0.06073
VIII	18	-0.82956	0.53218	0.23071	X	3	-0.98620	-0.15560	-0.06746

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X	4	-0.98286	-0.17108	-0.07417	XI	19	-0.54374	-0.75719	-0.32825
	5	-0.97923	-0.18651	-0.08086		20	-0.52902	-0.76569	-0.33194
	6	-0.97531	-0.20189	-0.08752		21	-0.51414	-0.77397	-0.33553
	7	-0.97109	-0.21720	-0.09416		22	-0.49909	-0.78201	-0.33902
	8	-0.96659	-0.23245	-0.10077		23	-0.48390	-0.78981	-0.34240
	9	-0.96180	-0.24763	-0.10735		24	-0.46855	-0.79736	-0.34567
	10	-0.95672	-0.26273	-0.11390		25	-0.45306	-0.80468	-0.34884
	11	-0.95136	-0.27776	-0.12041		26	-0.43743	-0.81174	-0.35191
	12	-0.94571	-0.29270	-0.12689		27	-0.42166	-0.81856	-0.35486
	13	-0.93979	-0.30755	-0.13332		28	-0.40576	-0.82513	-0.35771
	14	-0.93358	-0.32231	-0.13972		29	-0.38974	-0.83144	-0.36044
	15	-0.92710	-0.33697	-0.14608		30	-0.37359	-0.83749	-0.36307
	16	-0.92035	-0.35153	-0.15239	XII	1	-0.35733	-0.84329	-0.36558
	17	-0.91332	-0.36598	-0.15865		2	-0.34095	-0.84882	-0.36798
	18	-0.90601	-0.38032	-0.16487		3	-0.32447	-0.85409	-0.37026
	19	-0.89844	-0.39455	-0.17104		4	-0.30789	-0.85910	-0.37243
	20	-0.89061	-0.40867	-0.17716		5	-0.29121	-0.86384	-0.37449
	21	-0.88250	-0.42266	-0.18323		6	-0.27444	-0.86831	-0.37642
	22	-0.87413	-0.43653	-0.18924		7	-0.25759	-0.87251	-0.37824
	23	-0.86550	-0.45026	-0.19520		8	-0.24066	-0.87644	-0.37995
	24	-0.85662	-0.46386	-0.20109		9	-0.22366	-0.88009	-0.38153
	25	-0.84747	-0.47733	-0.20693		10	-0.20658	-0.88347	-0.38300
	26	-0.83807	-0.49065	-0.21271		11	-0.18945	-0.88658	-0.38435
	27	-0.82841	-0.50383	-0.21842		12	-0.17226	-0.88942	-0.38558
	28	-0.81851	-0.51685	-0.22407		13	-0.15502	-0.89198	-0.38669
	29	-0.80835	-0.52972	-0.22965		14	-0.13773	-0.89426	-0.38768
	30	-0.79796	-0.54243	-0.23516		15	-0.12040	-0.89627	-0.38855
	31	-0.78731	-0.55498	-0.24059		16	-0.10303	-0.89800	-0.38930
XI	1	-0.77643	-0.56736	-0.24596		17	-0.08563	-0.89945	-0.38993
	2	-0.76532	-0.57957	-0.25125		18	-0.06821	-0.90062	-0.39044
	3	-0.75397	-0.59160	-0.25647		19	-0.05076	-0.90152	-0.39083
	4	-0.74238	-0.60345	-0.26161		20	-0.03330	-0.90213	-0.39109
	5	-0.73058	-0.61512	-0.26666		21	-0.01583	-0.90247	-0.39124
	6	-0.71855	-0.62660	-0.27164		22	0.00165	-0.90253	-0.39127
	7	-0.70630	-0.63789	-0.27653		23	0.01913	-0.90231	-0.39117
	8	-0.69384	-0.64898	-0.28134		24	0.03660	-0.90181	-0.39095
	9	-0.68116	-0.65988	-0.28606		25	0.05407	-0.90103	-0.39061
	10	-0.66828	-0.67057	-0.29070		26	0.07152	-0.89997	-0.39015
	11	-0.65520	-0.68105	-0.29524		27	0.08895	-0.89863	-0.38957
	12	-0.64192	-0.69133	-0.29970		28	0.10635	-0.89701	-0.38887
	13	-0.62845	-0.70139	-0.30406		29	0.12372	-0.89511	-0.38804
	14	-0.61478	-0.71124	-0.30833		30	0.14106	-0.89292	-0.38710
	15	-0.60093	-0.72088	-0.31251		31	0.15835	-0.89046	-0.38603
	16	-0.58690	-0.73029	-0.31659					
	17	-0.57268	-0.73948	-0.32058					
XI	18	-0.55830	-0.74845	-0.32447					