

SŁOŃCE

Data 2010	0 ^h UT			Data 2010	0 ^h UT				
	X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		
I	1	0.17602	-0.88760	-0.38480	II	16	0.82906	-0.49289	-0.21368
	2	0.19319	-0.88458	-0.38349		17	0.83856	-0.47950	-0.20788
	3	0.21030	-0.88128	-0.38206		18	0.84781	-0.46597	-0.20201
	4	0.22735	-0.87772	-0.38051		19	0.85680	-0.45229	-0.19608
	5	0.24432	-0.87388	-0.37885		20	0.86553	-0.43847	-0.19009
	6	0.26123	-0.86976	-0.37707		21	0.87399	-0.42453	-0.18404
	7	0.27805	-0.86538	-0.37517		22	0.88218	-0.41045	-0.17794
	8	0.29479	-0.86073	-0.37315		23	0.89009	-0.39625	-0.17178
	9	0.31144	-0.85581	-0.37102		24	0.89774	-0.38193	-0.16558
	10	0.32799	-0.85062	-0.36877		25	0.90511	-0.36749	-0.15932
	11	0.34445	-0.84517	-0.36641		26	0.91221	-0.35294	-0.15301
	12	0.36079	-0.83945	-0.36393		27	0.91903	-0.33829	-0.14666
	13	0.37703	-0.83348	-0.36134		28	0.92557	-0.32354	-0.14027
	14	0.39315	-0.82724	-0.35863	III	1	0.93183	-0.30868	-0.13383
	15	0.40914	-0.82074	-0.35581		2	0.93781	-0.29374	-0.12735
	16	0.42501	-0.81398	-0.35288		3	0.94351	-0.27870	-0.12083
	17	0.44074	-0.80697	-0.34984		4	0.94892	-0.26358	-0.11427
	18	0.45634	-0.79971	-0.34670		5	0.95404	-0.24838	-0.10768
	19	0.47179	-0.79220	-0.34344		6	0.95888	-0.23310	-0.10106
	20	0.48710	-0.78445	-0.34008		7	0.96343	-0.21775	-0.09441
	21	0.50225	-0.77645	-0.33661		8	0.96768	-0.20234	-0.08772
	22	0.51724	-0.76820	-0.33303		9	0.97164	-0.18686	-0.08101
	23	0.53208	-0.75972	-0.32936		10	0.97531	-0.17132	-0.07428
	24	0.54674	-0.75101	-0.32558		11	0.97868	-0.15573	-0.06752
	25	0.56124	-0.74206	-0.32170		12	0.98176	-0.14009	-0.06074
	26	0.57556	-0.73289	-0.31772		13	0.98454	-0.12441	-0.05394
	27	0.58970	-0.72349	-0.31365		14	0.98702	-0.10869	-0.04712
	28	0.60366	-0.71386	-0.30948		15	0.98921	-0.09294	-0.04029
	29	0.61743	-0.70402	-0.30521		16	0.99109	-0.07716	-0.03345
	30	0.63101	-0.69396	-0.30085		17	0.99268	-0.06135	-0.02660
	31	0.64440	-0.68368	-0.29640		18	0.99396	-0.04553	-0.01974
II	1	0.65758	-0.67320	-0.29185		19	0.99495	-0.02969	-0.01287
	2	0.67057	-0.66251	-0.28722		20	0.99563	-0.01385	-0.00600
	3	0.68335	-0.65161	-0.28249		21	0.99602	0.00200	0.00087
	4	0.69592	-0.64051	-0.27768		22	0.99611	0.01785	0.00774
	5	0.70828	-0.62922	-0.27279		23	0.99589	0.03368	0.01460
	6	0.72042	-0.61773	-0.26780		24	0.99538	0.04951	0.02146
	7	0.73234	-0.60604	-0.26274		25	0.99458	0.06532	0.02832
	8	0.74404	-0.59417	-0.25759		26	0.99348	0.08111	0.03516
	9	0.75551	-0.58212	-0.25237		27	0.99208	0.09688	0.04199
	10	0.76674	-0.56988	-0.24706		28	0.99039	0.11261	0.04881
	11	0.77774	-0.55747	-0.24168		29	0.98840	0.12831	0.05562
	12	0.78849	-0.54488	-0.23622		30	0.98612	0.14398	0.06241
	13	0.79901	-0.53213	-0.23069		31	0.98356	0.15959	0.06918
	14	0.80927	-0.51921	-0.22509	IV	1	0.98070	0.17517	0.07593
II	15	0.81929	-0.50613	-0.21942	IV	2	0.97755	0.19069	0.08266

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IV	3	0.97411	0.20616	0.08937	V	19	0.53927	0.78529	0.34044
	4	0.97039	0.22156	0.09605		20	0.52491	0.79365	0.34406
	5	0.96637	0.23690	0.10270		21	0.51040	0.80178	0.34759
	6	0.96208	0.25218	0.10932		22	0.49575	0.80968	0.35101
	7	0.95749	0.26738	0.11591		23	0.48096	0.81735	0.35434
	8	0.95263	0.28250	0.12247		24	0.46603	0.82479	0.35756
	9	0.94748	0.29754	0.12899		25	0.45097	0.83199	0.36068
	10	0.94206	0.31250	0.13547		26	0.43579	0.83895	0.36370
	11	0.93635	0.32736	0.14192		27	0.42048	0.84568	0.36662
	12	0.93037	0.34212	0.14832		28	0.40506	0.85216	0.36943
	13	0.92411	0.35679	0.15468		29	0.38952	0.85841	0.37214
	14	0.91758	0.37135	0.16099		30	0.37387	0.86441	0.37474
	15	0.91078	0.38581	0.16726		31	0.35811	0.87017	0.37724
	16	0.90371	0.40014	0.17347	VI	1	0.34225	0.87568	0.37963
	17	0.89637	0.41437	0.17964		2	0.32629	0.88095	0.38191
	18	0.88878	0.42846	0.18575		3	0.31024	0.88597	0.38409
	19	0.88092	0.44243	0.19180		4	0.29410	0.89073	0.38616
	20	0.87280	0.45628	0.19780		5	0.27788	0.89525	0.38811
	21	0.86443	0.46998	0.20375		6	0.26157	0.89951	0.38996
	22	0.85581	0.48355	0.20963		7	0.24519	0.90351	0.39170
	23	0.84694	0.49697	0.21545		8	0.22874	0.90726	0.39332
	24	0.83782	0.51025	0.22120		9	0.21223	0.91076	0.39484
	25	0.82846	0.52338	0.22689		10	0.19565	0.91399	0.39624
	26	0.81886	0.53636	0.23252		11	0.17901	0.91697	0.39753
	27	0.80903	0.54918	0.23808		12	0.16233	0.91968	0.39871
	28	0.79896	0.56184	0.24357		13	0.14559	0.92214	0.39977
	29	0.78867	0.57434	0.24899		14	0.12882	0.92433	0.40072
	30	0.77814	0.58668	0.25433		15	0.11201	0.92626	0.40155
V	1	0.76739	0.59884	0.25961		16	0.09517	0.92792	0.40228
	2	0.75642	0.61084	0.26481		17	0.07830	0.92933	0.40288
	3	0.74523	0.62266	0.26993		18	0.06142	0.93046	0.40338
	4	0.73383	0.63430	0.27498		19	0.04451	0.93134	0.40376
	5	0.72221	0.64576	0.27995		20	0.02760	0.93195	0.40402
	6	0.71039	0.65703	0.28484		21	0.01068	0.93230	0.40417
	7	0.69835	0.66811	0.28964		22	-0.00624	0.93239	0.40421
	8	0.68612	0.67901	0.29437		23	-0.02316	0.93222	0.40414
	9	0.67369	0.68971	0.29901		24	-0.04007	0.93178	0.40395
	10	0.66106	0.70021	0.30356		25	-0.05697	0.93109	0.40365
	11	0.64824	0.71051	0.30802		26	-0.07385	0.93013	0.40323
	12	0.63523	0.72060	0.31240		27	-0.09071	0.92891	0.40271
	13	0.62204	0.73049	0.31669		28	-0.10755	0.92743	0.40206
	14	0.60867	0.74016	0.32088		29	-0.12435	0.92569	0.40131
	15	0.59512	0.74963	0.32498		30	-0.14112	0.92369	0.40045
	16	0.58140	0.75888	0.32899	VII	1	-0.15786	0.92144	0.39947
	17	0.56752	0.76790	0.33290		2	-0.17455	0.91892	0.39838
V	18	0.55347	0.77671	0.33672	VII	3	-0.19119	0.91615	0.39717

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VII	4	-0.20778	0.91311	0.39586	VIII	19	-0.83692	0.52218	0.22638
	5	-0.22431	0.90982	0.39443		20	-0.84618	0.50912	0.22072
	6	-0.24078	0.90628	0.39290		21	-0.85521	0.49590	0.21499
	7	-0.25719	0.90248	0.39125		22	-0.86399	0.48255	0.20920
	8	-0.27352	0.89842	0.38949		23	-0.87253	0.46906	0.20335
	9	-0.28978	0.89411	0.38762		24	-0.88082	0.45544	0.19745
	10	-0.30596	0.88954	0.38564		25	-0.88886	0.44169	0.19149
	11	-0.32205	0.88473	0.38355		26	-0.89664	0.42781	0.18547
	12	-0.33805	0.87966	0.38135		27	-0.90417	0.41381	0.17940
	13	-0.35395	0.87434	0.37905		28	-0.91144	0.39969	0.17328
	14	-0.36975	0.86878	0.37664		29	-0.91845	0.38546	0.16711
	15	-0.38545	0.86297	0.37412		30	-0.92520	0.37111	0.16089
	16	-0.40104	0.85691	0.37149		31	-0.93168	0.35666	0.15463
	17	-0.41651	0.85062	0.36876	IX	1	-0.93790	0.34211	0.14832
	18	-0.43186	0.84408	0.36593		2	-0.94384	0.32745	0.14196
	19	-0.44709	0.83731	0.36299		3	-0.94952	0.31270	0.13557
	20	-0.46220	0.83030	0.35995		4	-0.95492	0.29786	0.12913
	21	-0.47717	0.82306	0.35682		5	-0.96005	0.28293	0.12266
	22	-0.49200	0.81559	0.35358		6	-0.96490	0.26791	0.11615
	23	-0.50670	0.80789	0.35024		7	-0.96947	0.25282	0.10960
	24	-0.52125	0.79996	0.34680		8	-0.97375	0.23765	0.10303
	25	-0.53566	0.79181	0.34327		9	-0.97776	0.22242	0.09642
	26	-0.54991	0.78343	0.33964		10	-0.98148	0.20712	0.08979
	27	-0.56401	0.77484	0.33592		11	-0.98491	0.19176	0.08313
	28	-0.57796	0.76603	0.33210		12	-0.98806	0.17634	0.07645
	29	-0.59174	0.75700	0.32818		13	-0.99091	0.16088	0.06975
	30	-0.60535	0.74776	0.32418		14	-0.99348	0.14537	0.06302
	31	-0.61880	0.73831	0.32008		15	-0.99576	0.12981	0.05628
VIII	1	-0.63207	0.72864	0.31589		16	-0.99775	0.11423	0.04952
	2	-0.64516	0.71878	0.31161		17	-0.99945	0.09861	0.04275
	3	-0.65807	0.70870	0.30725		18	-1.00086	0.08296	0.03597
	4	-0.67080	0.69843	0.30279		19	-1.00197	0.06729	0.02918
	5	-0.68334	0.68796	0.29825		20	-1.00280	0.05160	0.02238
	6	-0.69568	0.67729	0.29362		21	-1.00333	0.03590	0.01557
	7	-0.70783	0.66643	0.28892		22	-1.00358	0.02018	0.00876
	8	-0.71978	0.65538	0.28412		23	-1.00353	0.00447	0.00194
	9	-0.73152	0.64413	0.27925		24	-1.00318	-0.01125	-0.00487
	10	-0.74306	0.63271	0.27430		25	-1.00255	-0.02697	-0.01169
	11	-0.75438	0.62110	0.26926		26	-1.00162	-0.04268	-0.01850
	12	-0.76549	0.60932	0.26416		27	-1.00040	-0.05837	-0.02530
	13	-0.77637	0.59736	0.25897		28	-0.99889	-0.07406	-0.03210
	14	-0.78704	0.58524	0.25371		29	-0.99708	-0.08972	-0.03889
	15	-0.79748	0.57294	0.24838		30	-0.99498	-0.10535	-0.04567
	16	-0.80769	0.56049	0.24299	X	1	-0.99259	-0.12096	-0.05243
	17	-0.81766	0.54787	0.23752		2	-0.98991	-0.13653	-0.05919
VIII	18	-0.82741	0.53511	0.23198	X	3	-0.98693	-0.15206	-0.06592

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X	4	-0.98366	-0.16755	-0.07263
	5	-0.98010	-0.18299	-0.07933
	6	-0.97624	-0.19838	-0.08600
	7	-0.97210	-0.21371	-0.09265
	8	-0.96767	-0.22897	-0.09926
	9	-0.96294	-0.24417	-0.10585
	10	-0.95794	-0.25929	-0.11241
	11	-0.95264	-0.27434	-0.11893
	12	-0.94706	-0.28930	-0.12542
	13	-0.94120	-0.30418	-0.13187
	14	-0.93506	-0.31896	-0.13827
	15	-0.92864	-0.33365	-0.14464
	16	-0.92194	-0.34824	-0.15096
	17	-0.91497	-0.36272	-0.15724
	18	-0.90773	-0.37709	-0.16347
	19	-0.90021	-0.39135	-0.16965
	20	-0.89243	-0.40549	-0.17578
	21	-0.88438	-0.41951	-0.18186
	22	-0.87607	-0.43340	-0.18788
	23	-0.86750	-0.44716	-0.19385
	24	-0.85867	-0.46079	-0.19976
	25	-0.84958	-0.47428	-0.20561
	26	-0.84023	-0.48763	-0.21140
	27	-0.83064	-0.50084	-0.21712
	28	-0.82079	-0.51389	-0.22278
	29	-0.81070	-0.52679	-0.22838
	30	-0.80036	-0.53954	-0.23390
	31	-0.78978	-0.55212	-0.23936
XI	1	-0.77896	-0.56454	-0.24474
	2	-0.76790	-0.57679	-0.25005
	3	-0.75660	-0.58886	-0.25528
	4	-0.74508	-0.60076	-0.26044
	5	-0.73333	-0.61247	-0.26552
	6	-0.72135	-0.62399	-0.27052
	7	-0.70916	-0.63533	-0.27543
	8	-0.69674	-0.64647	-0.28026
	9	-0.68412	-0.65741	-0.28500
	10	-0.67129	-0.66815	-0.28966
	11	-0.65825	-0.67869	-0.29422
	12	-0.64501	-0.68902	-0.29870
	13	-0.63158	-0.69914	-0.30309
	14	-0.61795	-0.70904	-0.30738
	15	-0.60414	-0.71872	-0.31158
	16	-0.59014	-0.72819	-0.31568
	17	-0.57597	-0.73743	-0.31969
XI	18	-0.56162	-0.74645	-0.32360

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XI	19	-0.54709	-0.75523	-0.32741
	20	-0.53241	-0.76379	-0.33112
	21	-0.51756	-0.77211	-0.33472
	22	-0.50255	-0.78020	-0.33823
	23	-0.48739	-0.78805	-0.34163
	24	-0.47208	-0.79566	-0.34493
	25	-0.45663	-0.80302	-0.34813
	26	-0.44103	-0.81014	-0.35121
	27	-0.42530	-0.81702	-0.35419
	28	-0.40943	-0.82364	-0.35707
	29	-0.39344	-0.83001	-0.35983
	30	-0.37733	-0.83612	-0.36248
XII	1	-0.36109	-0.84198	-0.36502
	2	-0.34475	-0.84757	-0.36744
	3	-0.32829	-0.85291	-0.36976
	4	-0.31174	-0.85798	-0.37195
	5	-0.29508	-0.86278	-0.37403
	6	-0.27833	-0.86732	-0.37600
	7	-0.26150	-0.87158	-0.37785
	8	-0.24459	-0.87558	-0.37958
	9	-0.22760	-0.87930	-0.38119
	10	-0.21054	-0.88275	-0.38269
	11	-0.19342	-0.88592	-0.38406
	12	-0.17624	-0.88882	-0.38532
	13	-0.15900	-0.89144	-0.38646
	14	-0.14172	-0.89379	-0.38747
	15	-0.12439	-0.89586	-0.38837
	16	-0.10703	-0.89765	-0.38915
	17	-0.08963	-0.89916	-0.38980
	18	-0.07221	-0.90039	-0.39034
	19	-0.05477	-0.90135	-0.39075
	20	-0.03731	-0.90203	-0.39105
	21	-0.01984	-0.90242	-0.39122
	22	-0.00237	-0.90254	-0.39127
	23	0.01511	-0.90238	-0.39120
	24	0.03258	-0.90194	-0.39101
	25	0.05005	-0.90122	-0.39070
	26	0.06749	-0.90023	-0.39027
	27	0.08492	-0.89895	-0.38972
	28	0.10233	-0.89739	-0.38904
	29	0.11970	-0.89556	-0.38825
	30	0.13704	-0.89344	-0.38733
	31	0.15434	-0.89105	-0.38629