

SŁOŃCE

Data 2012	0 ^h UT			Data 2012	0 ^h UT				
	X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		
I	1	0.16722	-0.88906	-0.38542	II	16	0.82405	-0.49972	-0.21664
	2	0.18442	-0.88617	-0.38417		17	0.83369	-0.48642	-0.21087
	3	0.20157	-0.88301	-0.38280		18	0.84308	-0.47296	-0.20504
	4	0.21865	-0.87957	-0.38131		19	0.85221	-0.45936	-0.19914
	5	0.23567	-0.87586	-0.37970		20	0.86108	-0.44562	-0.19318
	6	0.25261	-0.87188	-0.37798		21	0.86969	-0.43174	-0.18717
	7	0.26947	-0.86763	-0.37614		22	0.87803	-0.41773	-0.18109
	8	0.28624	-0.86311	-0.37418		23	0.88609	-0.40359	-0.17496
	9	0.30293	-0.85832	-0.37210		24	0.89389	-0.38932	-0.16878
	10	0.31952	-0.85327	-0.36991		25	0.90141	-0.37494	-0.16254
	11	0.33602	-0.84795	-0.36761		26	0.90865	-0.36044	-0.15626
	12	0.35241	-0.84237	-0.36519		27	0.91562	-0.34583	-0.14992
	13	0.36869	-0.83653	-0.36266		28	0.92230	-0.33112	-0.14355
	14	0.38486	-0.83043	-0.36001		29	0.92871	-0.31631	-0.13713
	15	0.40091	-0.82407	-0.35726	III	1	0.93483	-0.30140	-0.13066
	16	0.41684	-0.81746	-0.35439		2	0.94066	-0.28640	-0.12416
	17	0.43264	-0.81059	-0.35141		3	0.94621	-0.27132	-0.11762
	18	0.44831	-0.80347	-0.34832		4	0.95147	-0.25615	-0.11105
	19	0.46384	-0.79609	-0.34512		5	0.95645	-0.24091	-0.10444
	20	0.47923	-0.78847	-0.34182		6	0.96113	-0.22560	-0.09781
	21	0.49446	-0.78060	-0.33841		7	0.96553	-0.21022	-0.09114
	22	0.50955	-0.77249	-0.33489		8	0.96963	-0.19478	-0.08444
	23	0.52447	-0.76414	-0.33127		9	0.97344	-0.17928	-0.07772
	24	0.53924	-0.75555	-0.32754		10	0.97696	-0.16372	-0.07098
	25	0.55383	-0.74672	-0.32371		11	0.98019	-0.14812	-0.06421
	26	0.56825	-0.73766	-0.31979		12	0.98312	-0.13247	-0.05743
	27	0.58249	-0.72837	-0.31576		13	0.98575	-0.11678	-0.05063
	28	0.59655	-0.71885	-0.31163		14	0.98809	-0.10105	-0.04381
	29	0.61043	-0.70911	-0.30741		15	0.99014	-0.08529	-0.03698
	30	0.62411	-0.69916	-0.30310		16	0.99188	-0.06950	-0.03013
	31	0.63760	-0.68898	-0.29869		17	0.99333	-0.05369	-0.02328
II	1	0.65089	-0.67860	-0.29418		18	0.99448	-0.03786	-0.01641
	2	0.66398	-0.66800	-0.28959		19	0.99533	-0.02202	-0.00955
	3	0.67686	-0.65720	-0.28491		20	0.99588	-0.00618	-0.00268
	4	0.68954	-0.64620	-0.28014		21	0.99613	0.00967	0.00419
	5	0.70200	-0.63500	-0.27529		22	0.99608	0.02552	0.01106
	6	0.71424	-0.62360	-0.27035		23	0.99573	0.04136	0.01793
	7	0.72626	-0.61202	-0.26532		24	0.99508	0.05719	0.02479
	8	0.73806	-0.60024	-0.26022		25	0.99413	0.07300	0.03165
	9	0.74964	-0.58828	-0.25504		26	0.99289	0.08879	0.03849
	10	0.76098	-0.57615	-0.24977		27	0.99135	0.10455	0.04532
	11	0.77209	-0.56383	-0.24444		28	0.98951	0.12027	0.05214
	12	0.78297	-0.55134	-0.23902		29	0.98738	0.13597	0.05894
	13	0.79360	-0.53868	-0.23353		30	0.98495	0.15161	0.06572
	14	0.80400	-0.52586	-0.22797		31	0.98223	0.16722	0.07249
II	15	0.81415	-0.51287	-0.22234	IV	1	0.97922	0.18277	0.07923
					IV	2	0.97592	0.19827	0.08595

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IV	3	0.97233	0.21370	0.09264	V	19	0.53236	0.78939	0.34221
	4	0.96846	0.22907	0.09930		20	0.51793	0.79764	0.34579
	5	0.96430	0.24438	0.10594		21	0.50335	0.80567	0.34927
	6	0.95986	0.25961	0.11254		22	0.48862	0.81347	0.35265
	7	0.95513	0.27476	0.11911		23	0.47376	0.82103	0.35593
	8	0.95013	0.28984	0.12565		24	0.45876	0.82836	0.35911
	9	0.94484	0.30483	0.13214		25	0.44363	0.83545	0.36218
	10	0.93928	0.31973	0.13861		26	0.42838	0.84230	0.36515
	11	0.93345	0.33453	0.14503		27	0.41300	0.84891	0.36802
	12	0.92734	0.34925	0.15140		28	0.39751	0.85528	0.37078
	13	0.92096	0.36386	0.15774		29	0.38190	0.86140	0.37343
	14	0.91430	0.37836	0.16403		30	0.36619	0.86728	0.37598
	15	0.90738	0.39276	0.17027		31	0.35038	0.87291	0.37842
	16	0.90019	0.40704	0.17646	VI	1	0.33447	0.87830	0.38076
	17	0.89274	0.42120	0.18260		2	0.31846	0.88343	0.38298
	18	0.88502	0.43524	0.18869		3	0.30237	0.88832	0.38510
	19	0.87704	0.44916	0.19472		4	0.28619	0.89295	0.38711
	20	0.86881	0.46294	0.20069		5	0.26993	0.89734	0.38901
	21	0.86032	0.47659	0.20661		6	0.25360	0.90147	0.39080
	22	0.85158	0.49009	0.21246		7	0.23719	0.90535	0.39249
	23	0.84259	0.50346	0.21826		8	0.22072	0.90897	0.39406
	24	0.83335	0.51668	0.22399		9	0.20418	0.91233	0.39552
	25	0.82387	0.52974	0.22965		10	0.18759	0.91544	0.39686
	26	0.81415	0.54265	0.23525		11	0.17093	0.91830	0.39810
	27	0.80420	0.55540	0.24077		12	0.15423	0.92089	0.39922
	28	0.79401	0.56799	0.24623		13	0.13749	0.92322	0.40024
	29	0.78359	0.58041	0.25161		14	0.12070	0.92529	0.40113
	30	0.77294	0.59266	0.25693		15	0.10388	0.92710	0.40192
V	1	0.76208	0.60474	0.26216		16	0.08703	0.92865	0.40259
	2	0.75099	0.61665	0.26732		17	0.07015	0.92993	0.40314
	3	0.73969	0.62837	0.27241		18	0.05325	0.93095	0.40359
	4	0.72817	0.63992	0.27741		19	0.03633	0.93171	0.40391
	5	0.71645	0.65128	0.28234		20	0.01941	0.93220	0.40413
	6	0.70453	0.66245	0.28718		21	0.00248	0.93243	0.40422
	7	0.69240	0.67343	0.29194		22	-0.01445	0.93240	0.40421
	8	0.68007	0.68422	0.29662		23	-0.03138	0.93210	0.40408
	9	0.66755	0.69482	0.30122		24	-0.04829	0.93153	0.40383
	10	0.65483	0.70521	0.30572		25	-0.06519	0.93071	0.40347
	11	0.64193	0.71541	0.31014		26	-0.08207	0.92962	0.40300
	12	0.62884	0.72540	0.31448		27	-0.09893	0.92826	0.40242
	13	0.61557	0.73519	0.31872		28	-0.11576	0.92665	0.40172
	14	0.60212	0.74476	0.32287		29	-0.13255	0.92477	0.40091
	15	0.58850	0.75412	0.32693		30	-0.14930	0.92264	0.39998
	16	0.57471	0.76327	0.33089	VII	1	-0.16601	0.92025	0.39894
	17	0.56075	0.77220	0.33476		2	-0.18267	0.91760	0.39780
V	18	0.54663	0.78090	0.33854	VII	3	-0.19929	0.91469	0.39654

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VII	4	-0.21584	0.91153	0.39517	VIII	19	-0.84147	0.51591	0.22366
	5	-0.23233	0.90811	0.39368		20	-0.85063	0.50277	0.21796
	6	-0.24876	0.90444	0.39209		21	-0.85955	0.48948	0.21220
	7	-0.26512	0.90051	0.39039		22	-0.86821	0.47605	0.20638
	8	-0.28141	0.89633	0.38858		23	-0.87663	0.46249	0.20050
	9	-0.29762	0.89190	0.38666		24	-0.88480	0.44879	0.19456
	10	-0.31375	0.88722	0.38463		25	-0.89271	0.43497	0.18857
	11	-0.32979	0.88229	0.38249		26	-0.90036	0.42102	0.18252
	12	-0.34574	0.87711	0.38025		27	-0.90776	0.40696	0.17643
	13	-0.36159	0.87168	0.37789		28	-0.91489	0.39278	0.17028
	14	-0.37734	0.86601	0.37543		29	-0.92176	0.37849	0.16409
	15	-0.39299	0.86009	0.37286		30	-0.92837	0.36409	0.15784
	16	-0.40853	0.85393	0.37019		31	-0.93472	0.34959	0.15156
	17	-0.42395	0.84752	0.36742	IX	1	-0.94079	0.33499	0.14523
	18	-0.43925	0.84088	0.36453		2	-0.94660	0.32029	0.13886
	19	-0.45443	0.83399	0.36155		3	-0.95214	0.30550	0.13244
	20	-0.46948	0.82687	0.35846		4	-0.95740	0.29062	0.12599
	21	-0.48440	0.81952	0.35527		5	-0.96239	0.27566	0.11951
	22	-0.49918	0.81193	0.35199		6	-0.96710	0.26062	0.11298
	23	-0.51381	0.80412	0.34860		7	-0.97153	0.24550	0.10643
	24	-0.52830	0.79607	0.34511		8	-0.97569	0.23031	0.09984
	25	-0.54264	0.78780	0.34153		9	-0.97956	0.21505	0.09323
	26	-0.55682	0.77931	0.33785		10	-0.98315	0.19972	0.08658
	27	-0.57085	0.77060	0.33407		11	-0.98645	0.18434	0.07991
	28	-0.58471	0.76168	0.33020		12	-0.98946	0.16890	0.07322
	29	-0.59841	0.75254	0.32624		13	-0.99219	0.15342	0.06651
	30	-0.61193	0.74318	0.32219		14	-0.99463	0.13788	0.05977
	31	-0.62529	0.73362	0.31804		15	-0.99678	0.12231	0.05302
VIII	1	-0.63846	0.72386	0.31381		16	-0.99864	0.10670	0.04625
	2	-0.65146	0.71389	0.30949		17	-1.00020	0.09106	0.03947
	3	-0.66427	0.70372	0.30508		18	-1.00147	0.07539	0.03268
	4	-0.67690	0.69335	0.30058		19	-1.00245	0.05970	0.02588
	5	-0.68934	0.68279	0.29600		20	-1.00313	0.04399	0.01907
	6	-0.70158	0.67203	0.29134		21	-1.00352	0.02828	0.01226
	7	-0.71362	0.66108	0.28659		22	-1.00361	0.01255	0.00544
	8	-0.72547	0.64994	0.28176		23	-1.00341	-0.00318	-0.00137
	9	-0.73711	0.63862	0.27686		24	-1.00292	-0.01890	-0.00819
	10	-0.74854	0.62712	0.27187		25	-1.00213	-0.03462	-0.01500
	11	-0.75976	0.61544	0.26680		26	-1.00105	-0.05032	-0.02181
	12	-0.77076	0.60358	0.26166		27	-0.99968	-0.06601	-0.02861
	13	-0.78155	0.59155	0.25645		28	-0.99802	-0.08168	-0.03541
	14	-0.79211	0.57934	0.25116		29	-0.99606	-0.09732	-0.04219
	15	-0.80245	0.56698	0.24579		30	-0.99381	-0.11294	-0.04896
	16	-0.81255	0.55445	0.24036	X	1	-0.99127	-0.12852	-0.05571
	17	-0.82243	0.54176	0.23486		2	-0.98844	-0.14407	-0.06245
VIII	18	-0.83207	0.52891	0.22929	X	3	-0.98532	-0.15957	-0.06917

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X	4	-0.98191	-0.17503	-0.07588	XI	19	-0.53994	-0.75944	-0.32923
	5	-0.97821	-0.19043	-0.08255		20	-0.52516	-0.76789	-0.33289
	6	-0.97422	-0.20578	-0.08921		21	-0.51023	-0.77610	-0.33645
	7	-0.96994	-0.22108	-0.09584		22	-0.49513	-0.78407	-0.33990
	8	-0.96537	-0.23630	-0.10244		23	-0.47989	-0.79179	-0.34325
	9	-0.96052	-0.25146	-0.10901		24	-0.46450	-0.79928	-0.34650
	10	-0.95538	-0.26655	-0.11555		25	-0.44897	-0.80652	-0.34964
	11	-0.94996	-0.28155	-0.12206		26	-0.43330	-0.81351	-0.35267
	12	-0.94425	-0.29648	-0.12853		27	-0.41751	-0.82025	-0.35559
	13	-0.93826	-0.31132	-0.13496		28	-0.40158	-0.82674	-0.35841
	14	-0.93199	-0.32606	-0.14135		29	-0.38553	-0.83298	-0.36111
	15	-0.92544	-0.34071	-0.14770		30	-0.36936	-0.83896	-0.36370
	16	-0.91861	-0.35525	-0.15401	XII	1	-0.35308	-0.84468	-0.36618
	17	-0.91151	-0.36969	-0.16027		2	-0.33669	-0.85014	-0.36855
	18	-0.90413	-0.38402	-0.16648		3	-0.32019	-0.85535	-0.37081
	19	-0.89648	-0.39823	-0.17264		4	-0.30360	-0.86029	-0.37295
	20	-0.88856	-0.41232	-0.17874		5	-0.28691	-0.86496	-0.37498
	21	-0.88038	-0.42628	-0.18480		6	-0.27013	-0.86937	-0.37689
	22	-0.87193	-0.44012	-0.19080		7	-0.25326	-0.87351	-0.37868
	23	-0.86322	-0.45382	-0.19673		8	-0.23632	-0.87738	-0.38036
	24	-0.85425	-0.46738	-0.20261		9	-0.21930	-0.88098	-0.38192
	25	-0.84503	-0.48081	-0.20843		10	-0.20221	-0.88430	-0.38336
	26	-0.83555	-0.49408	-0.21419		11	-0.18506	-0.88735	-0.38468
	27	-0.82583	-0.50721	-0.21988		12	-0.16784	-0.89013	-0.38588
	28	-0.81585	-0.52019	-0.22551		13	-0.15058	-0.89262	-0.38697
	29	-0.80563	-0.53300	-0.23106		14	-0.13327	-0.89484	-0.38793
	30	-0.79517	-0.54566	-0.23655		15	-0.11591	-0.89678	-0.38877
	31	-0.78447	-0.55815	-0.24197		16	-0.09852	-0.89844	-0.38949
XI	1	-0.77354	-0.57048	-0.24731		17	-0.08111	-0.89982	-0.39008
	2	-0.76237	-0.58264	-0.25258		18	-0.06366	-0.90092	-0.39056
	3	-0.75097	-0.59461	-0.25778		19	-0.04620	-0.90173	-0.39091
	4	-0.73934	-0.60642	-0.26289		20	-0.02873	-0.90227	-0.39115
	5	-0.72749	-0.61803	-0.26793		21	-0.01125	-0.90253	-0.39126
	6	-0.71542	-0.62946	-0.27289		22	0.00624	-0.90250	-0.39125
	7	-0.70312	-0.64071	-0.27776		23	0.02372	-0.90220	-0.39112
	8	-0.69062	-0.65175	-0.28255		24	0.04119	-0.90161	-0.39086
	9	-0.67790	-0.66260	-0.28725		25	0.05864	-0.90075	-0.39049
	10	-0.66497	-0.67325	-0.29187		26	0.07608	-0.89961	-0.39000
	11	-0.65184	-0.68370	-0.29640		27	0.09350	-0.89818	-0.38938
	12	-0.63851	-0.69393	-0.30083		28	0.11088	-0.89648	-0.38864
	13	-0.62498	-0.70396	-0.30518		29	0.12823	-0.89451	-0.38779
	14	-0.61126	-0.71376	-0.30943		30	0.14554	-0.89225	-0.38681
	15	-0.59736	-0.72335	-0.31358		31	0.16281	-0.88972	-0.38571
	16	-0.58327	-0.73272	-0.31764					
	17	-0.56900	-0.74186	-0.32160					
XI	18	-0.55455	-0.75077	-0.32547					