

SŁOŃCE

Data 2017	0 ^h UT			Data 2017	0 ^h UT				
	X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		
I	1	0.17961	-0.88703	-0.38454	II	16	0.83101	-0.49014	-0.21248
	2	0.19678	-0.88395	-0.38320		17	0.84047	-0.47674	-0.20667
	3	0.21389	-0.88059	-0.38174		18	0.84967	-0.46318	-0.20080
	4	0.23093	-0.87695	-0.38017		19	0.85861	-0.44949	-0.19486
	5	0.24790	-0.87304	-0.37847		20	0.86729	-0.43565	-0.18886
	6	0.26479	-0.86886	-0.37666		21	0.87571	-0.42168	-0.18280
	7	0.28159	-0.86441	-0.37473		22	0.88385	-0.40758	-0.17669
	8	0.29831	-0.85969	-0.37269		23	0.89173	-0.39335	-0.17053
	9	0.31493	-0.85471	-0.37053		24	0.89933	-0.37901	-0.16431
	10	0.33145	-0.84946	-0.36825		25	0.90666	-0.36454	-0.15804
	11	0.34787	-0.84395	-0.36586		26	0.91371	-0.34996	-0.15172
	12	0.36418	-0.83818	-0.36336		27	0.92048	-0.33528	-0.14535
	13	0.38037	-0.83214	-0.36074		28	0.92697	-0.32049	-0.13894
	14	0.39645	-0.82586	-0.35802	III	1	0.93318	-0.30561	-0.13249
	15	0.41241	-0.81931	-0.35518		2	0.93910	-0.29063	-0.12600
	16	0.42824	-0.81251	-0.35223		3	0.94473	-0.27556	-0.11947
	17	0.44394	-0.80546	-0.34918		4	0.95007	-0.26042	-0.11290
	18	0.45950	-0.79816	-0.34601		5	0.95513	-0.24519	-0.10630
	19	0.47493	-0.79061	-0.34274		6	0.95989	-0.22989	-0.09967
	20	0.49020	-0.78282	-0.33936		7	0.96436	-0.21453	-0.09301
	21	0.50533	-0.77478	-0.33587		8	0.96855	-0.19910	-0.08632
	22	0.52029	-0.76650	-0.33228		9	0.97243	-0.18361	-0.07960
	23	0.53510	-0.75798	-0.32859		10	0.97603	-0.16806	-0.07286
	24	0.54975	-0.74922	-0.32479		11	0.97933	-0.15247	-0.06610
	25	0.56422	-0.74023	-0.32090		12	0.98234	-0.13683	-0.05932
	26	0.57852	-0.73101	-0.31690		13	0.98505	-0.12116	-0.05253
	27	0.59263	-0.72156	-0.31280		14	0.98747	-0.10544	-0.04571
	28	0.60657	-0.71189	-0.30861		15	0.98959	-0.08969	-0.03889
	29	0.62031	-0.70199	-0.30432		16	0.99142	-0.07392	-0.03205
	30	0.63386	-0.69188	-0.29994		17	0.99294	-0.05812	-0.02520
	31	0.64722	-0.68155	-0.29546		18	0.99417	-0.04231	-0.01834
II	1	0.66037	-0.67101	-0.29089		19	0.99511	-0.02648	-0.01148
	2	0.67331	-0.66026	-0.28623		20	0.99574	-0.01064	-0.00461
	3	0.68605	-0.64931	-0.28149		21	0.99608	0.00521	0.00225
	4	0.69857	-0.63816	-0.27665		22	0.99612	0.02105	0.00912
	5	0.71088	-0.62681	-0.27174		23	0.99586	0.03689	0.01599
	6	0.72296	-0.61528	-0.26673		24	0.99530	0.05272	0.02285
	7	0.73482	-0.60355	-0.26165		25	0.99445	0.06853	0.02970
	8	0.74646	-0.59164	-0.25649		26	0.99329	0.08433	0.03655
	9	0.75786	-0.57954	-0.25124		27	0.99184	0.10010	0.04339
	10	0.76903	-0.56727	-0.24592		28	0.99009	0.11584	0.05021
	11	0.77997	-0.55483	-0.24053		29	0.98805	0.13155	0.05702
	12	0.79067	-0.54222	-0.23506		30	0.98571	0.14721	0.06381
	13	0.80112	-0.52944	-0.22952		31	0.98307	0.16283	0.07058
	14	0.81133	-0.51650	-0.22391	IV	1	0.98014	0.17841	0.07733
II	15	0.82130	-0.50340	-0.21823	IV	2	0.97692	0.19392	0.08406

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IV	3	0.97341	0.20938	0.09076	V	19	0.53641	0.78699	0.34116
	4	0.96961	0.22478	0.09743		20	0.52203	0.79531	0.34477
	5	0.96553	0.24010	0.10408		21	0.50750	0.80341	0.34828
	6	0.96116	0.25536	0.11069		22	0.49282	0.81127	0.35169
	7	0.95651	0.27054	0.11727		23	0.47800	0.81891	0.35499
	8	0.95158	0.28563	0.12382		24	0.46305	0.82631	0.35820
	9	0.94637	0.30065	0.13033		25	0.44795	0.83347	0.36131
	10	0.94088	0.31557	0.13680		26	0.43273	0.84040	0.36431
	11	0.93511	0.33040	0.14323		27	0.41739	0.84708	0.36721
	12	0.92908	0.34513	0.14961		28	0.40193	0.85352	0.37000
	13	0.92277	0.35977	0.15596		29	0.38635	0.85972	0.37269
	14	0.91619	0.37430	0.16226		30	0.37066	0.86567	0.37527
	15	0.90934	0.38872	0.16851		31	0.35487	0.87137	0.37774
	16	0.90223	0.40302	0.17471	VI	1	0.33898	0.87683	0.38011
	17	0.89485	0.41722	0.18086		2	0.32300	0.88203	0.38236
	18	0.88721	0.43129	0.18696		3	0.30692	0.88699	0.38451
	19	0.87932	0.44523	0.19301		4	0.29076	0.89169	0.38655
	20	0.87116	0.45905	0.19900		5	0.27452	0.89614	0.38848
	21	0.86275	0.47273	0.20493		6	0.25820	0.90034	0.39030
	22	0.85409	0.48628	0.21080		7	0.24181	0.90428	0.39201
	23	0.84517	0.49969	0.21661		8	0.22536	0.90797	0.39361
	24	0.83601	0.51295	0.22236		9	0.20884	0.91140	0.39510
	25	0.82660	0.52606	0.22804		10	0.19226	0.91458	0.39648
	26	0.81696	0.53902	0.23366		11	0.17563	0.91750	0.39774
	27	0.80707	0.55182	0.23921		12	0.15894	0.92016	0.39889
	28	0.79694	0.56446	0.24469		13	0.14222	0.92256	0.39993
	29	0.78659	0.57693	0.25010		14	0.12545	0.92471	0.40086
	30	0.77601	0.58924	0.25543		15	0.10864	0.92659	0.40168
V	1	0.76520	0.60137	0.26069		16	0.09180	0.92821	0.40238
	2	0.75417	0.61333	0.26588		17	0.07494	0.92957	0.40297
	3	0.74292	0.62511	0.27098		18	0.05805	0.93067	0.40345
	4	0.73146	0.63671	0.27601		19	0.04115	0.93151	0.40381
	5	0.71979	0.64812	0.28096		20	0.02423	0.93208	0.40406
	6	0.70792	0.65935	0.28583		21	0.00730	0.93239	0.40419
	7	0.69584	0.67038	0.29061		22	-0.00963	0.93243	0.40421
	8	0.68356	0.68122	0.29531		23	-0.02656	0.93221	0.40411
	9	0.67109	0.69187	0.29993		24	-0.04348	0.93173	0.40390
	10	0.65842	0.70232	0.30446		25	-0.06039	0.93098	0.40358
	11	0.64557	0.71256	0.30890		26	-0.07728	0.92997	0.40314
	12	0.63253	0.72261	0.31325		27	-0.09415	0.92869	0.40259
	13	0.61932	0.73244	0.31752		28	-0.11099	0.92715	0.40192
	14	0.60592	0.74207	0.32169		29	-0.12780	0.92535	0.40114
	15	0.59235	0.75149	0.32577		30	-0.14457	0.92329	0.40025
	16	0.57861	0.76069	0.32976	VII	1	-0.16130	0.92097	0.39924
	17	0.56471	0.76968	0.33366		2	-0.17798	0.91839	0.39813
V	18	0.55064	0.77844	0.33746	VII	3	-0.19461	0.91555	0.39690

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VII	4	-0.21119	0.91245	0.39555	VIII	19	-0.83881	0.51960	0.22525
	5	-0.22770	0.90910	0.39410		20	-0.84804	0.50650	0.21957
	6	-0.24415	0.90549	0.39254		21	-0.85703	0.49325	0.21383
	7	-0.26053	0.90163	0.39086		22	-0.86578	0.47986	0.20803
	8	-0.27684	0.89752	0.38908		23	-0.87427	0.46634	0.20216
	9	-0.29306	0.89315	0.38719		24	-0.88251	0.45268	0.19624
	10	-0.30921	0.88854	0.38519		25	-0.89050	0.43889	0.19027
	11	-0.32527	0.88368	0.38308		26	-0.89823	0.42497	0.18423
	12	-0.34124	0.87856	0.38086		27	-0.90571	0.41093	0.17815
	13	-0.35711	0.87321	0.37854		28	-0.91292	0.39678	0.17201
	14	-0.37289	0.86760	0.37611		29	-0.91987	0.38251	0.16583
	15	-0.38856	0.86176	0.37357		30	-0.92655	0.36814	0.15960
	16	-0.40412	0.85567	0.37093		31	-0.93297	0.35366	0.15332
	17	-0.41957	0.84934	0.36819	IX	1	-0.93912	0.33908	0.14700
	18	-0.43491	0.84276	0.36534		2	-0.94500	0.32440	0.14064
	19	-0.45012	0.83595	0.36239		3	-0.95060	0.30964	0.13423
	20	-0.46521	0.82890	0.35933		4	-0.95594	0.29478	0.12779
	21	-0.48016	0.82162	0.35618		5	-0.96100	0.27984	0.12132
	22	-0.49498	0.81410	0.35292		6	-0.96578	0.26482	0.11480
	23	-0.50967	0.80636	0.34956		7	-0.97028	0.24972	0.10826
	24	-0.52420	0.79838	0.34610		8	-0.97451	0.23456	0.10168
	25	-0.53859	0.79018	0.34255		9	-0.97846	0.21932	0.09508
	26	-0.55282	0.78175	0.33889		10	-0.98212	0.20402	0.08844
	27	-0.56690	0.77310	0.33515		11	-0.98550	0.18866	0.08179
	28	-0.58082	0.76423	0.33130		12	-0.98860	0.17324	0.07510
	29	-0.59456	0.75515	0.32736		13	-0.99141	0.15777	0.06840
	30	-0.60814	0.74585	0.32334		14	-0.99393	0.14226	0.06167
	31	-0.62155	0.73634	0.31921		15	-0.99617	0.12670	0.05493
VIII	1	-0.63478	0.72663	0.31500		16	-0.99811	0.11110	0.04817
	2	-0.64783	0.71671	0.31070		17	-0.99976	0.09547	0.04139
	3	-0.66069	0.70659	0.30632		18	-1.00112	0.07981	0.03460
	4	-0.67337	0.69627	0.30184		19	-1.00219	0.06413	0.02780
	5	-0.68586	0.68576	0.29728		20	-1.00296	0.04842	0.02100
	6	-0.69815	0.67505	0.29264		21	-1.00344	0.03271	0.01418
	7	-0.71024	0.66415	0.28792		22	-1.00362	0.01698	0.00737
	8	-0.72214	0.65307	0.28311		23	-1.00351	0.00125	0.00055
	9	-0.73383	0.64180	0.27822		24	-1.00310	-0.01448	-0.00627
	10	-0.74531	0.63035	0.27326		25	-1.00240	-0.03021	-0.01309
	11	-0.75658	0.61872	0.26822		26	-1.00140	-0.04592	-0.01990
	12	-0.76764	0.60691	0.26310		27	-1.00011	-0.06163	-0.02671
	13	-0.77849	0.59493	0.25791		28	-0.99852	-0.07731	-0.03351
	14	-0.78911	0.58278	0.25264		29	-0.99664	-0.09296	-0.04029
	15	-0.79951	0.57047	0.24730		30	-0.99447	-0.10859	-0.04707
	16	-0.80968	0.55799	0.24189	X	1	-0.99201	-0.12419	-0.05383
	17	-0.81963	0.54535	0.23641		2	-0.98925	-0.13974	-0.06058
VIII	18	-0.82934	0.53255	0.23086	X	3	-0.98620	-0.15526	-0.06730

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X	4	-0.98287	-0.17073	-0.07401	XI	19	-0.54408	-0.75705	-0.32818
	5	-0.97924	-0.18615	-0.08069		20	-0.52935	-0.76557	-0.33187
	6	-0.97533	-0.20151	-0.08735		21	-0.51445	-0.77385	-0.33546
	7	-0.97113	-0.21681	-0.09399		22	-0.49940	-0.78189	-0.33895
	8	-0.96664	-0.23205	-0.10059		23	-0.48420	-0.78969	-0.34233
	9	-0.96187	-0.24723	-0.10717		24	-0.46884	-0.79725	-0.34561
	10	-0.95681	-0.26233	-0.11372		25	-0.45334	-0.80456	-0.34878
	11	-0.95147	-0.27735	-0.12023		26	-0.43771	-0.81162	-0.35184
	12	-0.94585	-0.29230	-0.12671		27	-0.42194	-0.81843	-0.35479
	13	-0.93994	-0.30715	-0.13315		28	-0.40604	-0.82499	-0.35763
	14	-0.93376	-0.32192	-0.13955		29	-0.39002	-0.83129	-0.36037
	15	-0.92729	-0.33660	-0.14591		30	-0.37388	-0.83734	-0.36299
	16	-0.92055	-0.35117	-0.15223	XII	1	-0.35763	-0.84313	-0.36550
	17	-0.91353	-0.36564	-0.15850		2	-0.34127	-0.84866	-0.36790
	18	-0.90623	-0.38000	-0.16473		3	-0.32480	-0.85393	-0.37018
	19	-0.89866	-0.39425	-0.17090		4	-0.30823	-0.85894	-0.37235
	20	-0.89082	-0.40838	-0.17703		5	-0.29157	-0.86368	-0.37441
	21	-0.88272	-0.42238	-0.18310		6	-0.27482	-0.86816	-0.37635
	22	-0.87435	-0.43626	-0.18911		7	-0.25799	-0.87237	-0.37818
	23	-0.86571	-0.45001	-0.19507		8	-0.24107	-0.87632	-0.37988
	24	-0.85681	-0.46361	-0.20097		9	-0.22408	-0.87999	-0.38148
	25	-0.84766	-0.47708	-0.20681		10	-0.20701	-0.88339	-0.38295
	26	-0.83825	-0.49041	-0.21259		11	-0.18988	-0.88652	-0.38431
	27	-0.82859	-0.50358	-0.21830		12	-0.17269	-0.88937	-0.38554
	28	-0.81868	-0.51660	-0.22394		13	-0.15545	-0.89195	-0.38666
	29	-0.80852	-0.52947	-0.22952		14	-0.13815	-0.89425	-0.38766
	30	-0.79812	-0.54217	-0.23503		15	-0.12081	-0.89627	-0.38853
	31	-0.78748	-0.55471	-0.24047		16	-0.10344	-0.89802	-0.38929
XI	1	-0.77661	-0.56708	-0.24583		17	-0.08602	-0.89948	-0.38992
	2	-0.76550	-0.57928	-0.25112		18	-0.06859	-0.90066	-0.39044
	3	-0.75416	-0.59130	-0.25633		19	-0.05113	-0.90156	-0.39083
	4	-0.74259	-0.60315	-0.26147		20	-0.03365	-0.90218	-0.39110
	5	-0.73080	-0.61481	-0.26652		21	-0.01617	-0.90252	-0.39124
	6	-0.71879	-0.62629	-0.27150		22	0.00132	-0.90258	-0.39127
	7	-0.70656	-0.63758	-0.27639		23	0.01881	-0.90235	-0.39117
	8	-0.69412	-0.64868	-0.28120		24	0.03629	-0.90185	-0.39095
	9	-0.68146	-0.65958	-0.28593		25	0.05376	-0.90106	-0.39061
	10	-0.66860	-0.67028	-0.29057		26	0.07121	-0.89999	-0.39015
	11	-0.65553	-0.68078	-0.29512		27	0.08863	-0.89864	-0.38957
	12	-0.64226	-0.69108	-0.29958		28	0.10603	-0.89702	-0.38886
	13	-0.62880	-0.70116	-0.30395		29	0.12339	-0.89511	-0.38804
	14	-0.61514	-0.71103	-0.30823		30	0.14071	-0.89293	-0.38709
	15	-0.60129	-0.72068	-0.31241		31	0.15799	-0.89047	-0.38603
	16	-0.58725	-0.73011	-0.31650					
	17	-0.57304	-0.73932	-0.32049					
XI	18	-0.55864	-0.74830	-0.32438					