

SŁOŃCE

Data 2016	0 ^h UT			Data 2016	0 ^h UT				
	X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		
I	1	0.16676	-0.88912	-0.38544	II	16	0.82385	-0.49996	-0.21674
	2	0.18397	-0.88625	-0.38420		17	0.83349	-0.48666	-0.21098
	3	0.20112	-0.88311	-0.38284		18	0.84287	-0.47320	-0.20515
	4	0.21821	-0.87969	-0.38135		19	0.85199	-0.45961	-0.19925
	5	0.23524	-0.87599	-0.37975		20	0.86086	-0.44588	-0.19330
	6	0.25219	-0.87202	-0.37803		21	0.86946	-0.43201	-0.18729
	7	0.26907	-0.86778	-0.37619		22	0.87779	-0.41801	-0.18122
	8	0.28586	-0.86327	-0.37424		23	0.88586	-0.40388	-0.17509
	9	0.30256	-0.85849	-0.37216		24	0.89366	-0.38963	-0.16891
	10	0.31917	-0.85344	-0.36997		25	0.90118	-0.37526	-0.16268
	11	0.33568	-0.84812	-0.36767		26	0.90844	-0.36078	-0.15640
	12	0.35208	-0.84254	-0.36525		27	0.91541	-0.34618	-0.15008
	13	0.36838	-0.83669	-0.36271		28	0.92211	-0.33148	-0.14370
	14	0.38455	-0.83058	-0.36007		29	0.92853	-0.31668	-0.13729
	15	0.40061	-0.82422	-0.35731	III	1	0.93467	-0.30178	-0.13083
	16	0.41654	-0.81759	-0.35444		2	0.94053	-0.28679	-0.12433
	17	0.43234	-0.81072	-0.35146		3	0.94610	-0.27171	-0.11779
	18	0.44800	-0.80359	-0.34837		4	0.95138	-0.25655	-0.11122
	19	0.46352	-0.79621	-0.34517		5	0.95637	-0.24130	-0.10461
	20	0.47890	-0.78859	-0.34187		6	0.96107	-0.22598	-0.09797
	21	0.49412	-0.78072	-0.33846		7	0.96549	-0.21059	-0.09130
	22	0.50920	-0.77262	-0.33494		8	0.96960	-0.19514	-0.08460
	23	0.52411	-0.76427	-0.33132		9	0.97342	-0.17963	-0.07788
	24	0.53887	-0.75569	-0.32760		10	0.97695	-0.16406	-0.07113
	25	0.55345	-0.74688	-0.32378		11	0.98018	-0.14844	-0.06436
	26	0.56787	-0.73783	-0.31986		12	0.98311	-0.13278	-0.05757
	27	0.58211	-0.72856	-0.31584		13	0.98574	-0.11708	-0.05076
	28	0.59617	-0.71906	-0.31172		14	0.98808	-0.10135	-0.04394
	29	0.61005	-0.70934	-0.30751		15	0.99012	-0.08558	-0.03711
	30	0.62375	-0.69940	-0.30320		16	0.99185	-0.06979	-0.03026
	31	0.63725	-0.68924	-0.29879		17	0.99329	-0.05399	-0.02341
II	1	0.65055	-0.67887	-0.29430		18	0.99444	-0.03816	-0.01655
	2	0.66365	-0.66829	-0.28971		19	0.99528	-0.02233	-0.00969
	3	0.67655	-0.65750	-0.28503		20	0.99583	-0.00649	-0.00282
	4	0.68925	-0.64650	-0.28027		21	0.99608	0.00934	0.00404
	5	0.70172	-0.63531	-0.27541		22	0.99603	0.02518	0.01091
	6	0.71399	-0.62391	-0.27047		23	0.99569	0.04101	0.01777
	7	0.72603	-0.61232	-0.26545		24	0.99505	0.05682	0.02463
	8	0.73784	-0.60054	-0.26034		25	0.99411	0.07262	0.03148
	9	0.74943	-0.58858	-0.25516		26	0.99288	0.08840	0.03832
	10	0.76079	-0.57643	-0.24989		27	0.99136	0.10415	0.04515
	11	0.77191	-0.56411	-0.24455		28	0.98954	0.11987	0.05196
	12	0.78279	-0.55161	-0.23913		29	0.98743	0.13556	0.05876
	13	0.79342	-0.53894	-0.23364		30	0.98502	0.15120	0.06555
	14	0.80382	-0.52610	-0.22808		31	0.98232	0.16681	0.07231
II	15	0.81396	-0.51311	-0.22244	IV	1	0.97933	0.18237	0.07905
					IV	2	0.97605	0.19787	0.08578

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IV	3	0.97248	0.21332	0.09247	V	19	0.53269	0.78917	0.34211
	4	0.96862	0.22870	0.09914		20	0.51827	0.79742	0.34569
	5	0.96447	0.24402	0.10578		21	0.50371	0.80544	0.34917
	6	0.96004	0.25927	0.11239		22	0.48900	0.81324	0.35255
	7	0.95532	0.27444	0.11896		23	0.47415	0.82080	0.35583
	8	0.95031	0.28952	0.12550		24	0.45917	0.82814	0.35901
	9	0.94503	0.30453	0.13201		25	0.44406	0.83524	0.36208
	10	0.93947	0.31944	0.13847		26	0.42882	0.84210	0.36506
	11	0.93362	0.33425	0.14490		27	0.41346	0.84872	0.36793
	12	0.92751	0.34897	0.15127		28	0.39798	0.85511	0.37070
	13	0.92112	0.36358	0.15761		29	0.38239	0.86125	0.37336
	14	0.91446	0.37809	0.16390		30	0.36668	0.86714	0.37591
	15	0.90753	0.39248	0.17014		31	0.35087	0.87280	0.37836
	16	0.90034	0.40675	0.17633	VI	1	0.33496	0.87820	0.38070
	17	0.89288	0.42091	0.18246		2	0.31895	0.88335	0.38294
	18	0.88517	0.43494	0.18855		3	0.30285	0.88826	0.38506
	19	0.87719	0.44884	0.19457		4	0.28667	0.89291	0.38708
	20	0.86897	0.46262	0.20055		5	0.27040	0.89730	0.38898
	21	0.86049	0.47626	0.20646		6	0.25405	0.90144	0.39078
	22	0.85176	0.48975	0.21231		7	0.23763	0.90532	0.39246
	23	0.84278	0.50311	0.21810		8	0.22115	0.90895	0.39403
	24	0.83357	0.51632	0.22383		9	0.20460	0.91232	0.39549
	25	0.82410	0.52939	0.22949		10	0.18799	0.91542	0.39684
	26	0.81440	0.54230	0.23509		11	0.17134	0.91827	0.39808
	27	0.80447	0.55505	0.24062		12	0.15463	0.92086	0.39920
	28	0.79430	0.56765	0.24608		13	0.13789	0.92318	0.40021
	29	0.78390	0.58008	0.25147		14	0.12111	0.92525	0.40110
	30	0.77327	0.59234	0.25678		15	0.10429	0.92705	0.40189
V	1	0.76242	0.60444	0.26203		16	0.08745	0.92860	0.40256
	2	0.75134	0.61636	0.26719		17	0.07058	0.92988	0.40311
	3	0.74005	0.62810	0.27228		18	0.05369	0.93090	0.40356
	4	0.72854	0.63966	0.27730		19	0.03679	0.93166	0.40389
	5	0.71682	0.65104	0.28223		20	0.01988	0.93216	0.40410
	6	0.70489	0.66223	0.28708		21	0.00297	0.93239	0.40420
	7	0.69276	0.67323	0.29184		22	-0.01395	0.93237	0.40419
	8	0.68042	0.68403	0.29653		23	-0.03086	0.93208	0.40407
	9	0.66789	0.69463	0.30112		24	-0.04777	0.93154	0.40383
	10	0.65517	0.70504	0.30563		25	-0.06466	0.93073	0.40348
	11	0.64226	0.71523	0.31005		26	-0.08154	0.92966	0.40301
	12	0.62916	0.72522	0.31439		27	-0.09839	0.92832	0.40244
	13	0.61588	0.73501	0.31863		28	-0.11522	0.92673	0.40175
	14	0.60243	0.74458	0.32278		29	-0.13202	0.92488	0.40094
	15	0.58881	0.75393	0.32683		30	-0.14878	0.92276	0.40002
	16	0.57502	0.76307	0.33080	VII	1	-0.16550	0.92039	0.39899
	17	0.56107	0.77199	0.33466		2	-0.18218	0.91775	0.39785
V	18	0.54696	0.78069	0.33843	VII	3	-0.19881	0.91485	0.39659

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VII	4	-0.21538	0.91170	0.39523	VIII	19	-0.84113	0.51627	0.22381
	5	-0.23189	0.90828	0.39375		20	-0.85030	0.50315	0.21812
	6	-0.24833	0.90461	0.39215		21	-0.85922	0.48987	0.21237
	7	-0.26470	0.90068	0.39045		22	-0.86790	0.47646	0.20655
	8	-0.28100	0.89650	0.38864		23	-0.87633	0.46292	0.20068
	9	-0.29722	0.89206	0.38672		24	-0.88451	0.44923	0.19475
	10	-0.31335	0.88738	0.38469		25	-0.89244	0.43542	0.18876
	11	-0.32939	0.88244	0.38255		26	-0.90012	0.42149	0.18272
	12	-0.34534	0.87725	0.38030		27	-0.90753	0.40743	0.17662
	13	-0.36119	0.87182	0.37795		28	-0.91469	0.39325	0.17048
	14	-0.37693	0.86614	0.37549		29	-0.92159	0.37896	0.16428
	15	-0.39257	0.86022	0.37292		30	-0.92821	0.36455	0.15804
	16	-0.40810	0.85406	0.37025		31	-0.93458	0.35004	0.15175
	17	-0.42351	0.84766	0.36747	IX	1	-0.94067	0.33543	0.14542
	18	-0.43880	0.84102	0.36460		2	-0.94649	0.32072	0.13904
	19	-0.45397	0.83415	0.36162		3	-0.95203	0.30592	0.13263
	20	-0.46901	0.82704	0.35854		4	-0.95730	0.29103	0.12617
	21	-0.48392	0.81970	0.35535		5	-0.96229	0.27606	0.11968
	22	-0.49869	0.81214	0.35207		6	-0.96700	0.26101	0.11316
	23	-0.51333	0.80434	0.34869		7	-0.97143	0.24588	0.10660
	24	-0.52782	0.79631	0.34521		8	-0.97558	0.23069	0.10001
	25	-0.54216	0.78807	0.34163		9	-0.97945	0.21543	0.09340
	26	-0.55636	0.77959	0.33796		10	-0.98303	0.20010	0.08675
	27	-0.57039	0.77090	0.33419		11	-0.98633	0.18472	0.08009
	28	-0.58427	0.76199	0.33033		12	-0.98934	0.16929	0.07340
	29	-0.59798	0.75286	0.32637		13	-0.99206	0.15381	0.06669
	30	-0.61153	0.74352	0.32232		14	-0.99450	0.13829	0.05996
	31	-0.62490	0.73397	0.31818		15	-0.99665	0.12273	0.05321
VIII	1	-0.63810	0.72421	0.31395		16	-0.99851	0.10713	0.04645
	2	-0.65111	0.71424	0.30963		17	-1.00008	0.09151	0.03967
	3	-0.66394	0.70406	0.30522		18	-1.00136	0.07585	0.03289
	4	-0.67658	0.69369	0.30072		19	-1.00236	0.06017	0.02609
	5	-0.68903	0.68312	0.29614		20	-1.00306	0.04448	0.01928
	6	-0.70128	0.67235	0.29147		21	-1.00346	0.02877	0.01247
	7	-0.71333	0.66140	0.28673		22	-1.00358	0.01305	0.00566
	8	-0.72518	0.65025	0.28190		23	-1.00340	-0.00267	-0.00116
	9	-0.73682	0.63893	0.27699		24	-1.00293	-0.01840	-0.00797
	10	-0.74824	0.62742	0.27200		25	-1.00217	-0.03412	-0.01479
	11	-0.75946	0.61573	0.26693		26	-1.00111	-0.04983	-0.02160
	12	-0.77046	0.60387	0.26179		27	-0.99976	-0.06553	-0.02840
	13	-0.78124	0.59184	0.25658		28	-0.99811	-0.08121	-0.03520
	14	-0.79179	0.57964	0.25129		29	-0.99616	-0.09687	-0.04199
	15	-0.80212	0.56728	0.24593		30	-0.99392	-0.11250	-0.04876
	16	-0.81222	0.55476	0.24050	X	1	-0.99139	-0.12810	-0.05552
	17	-0.82209	0.54209	0.23500		2	-0.98856	-0.14365	-0.06227
VIII	18	-0.83173	0.52925	0.22944	X	3	-0.98544	-0.15917	-0.06899

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X	4	-0.98203	-0.17464	-0.07570	XI	19	-0.54036	-0.75916	-0.32910
	5	-0.97833	-0.19005	-0.08238		20	-0.52560	-0.76762	-0.33277
	6	-0.97433	-0.20541	-0.08904		21	-0.51068	-0.77585	-0.33633
	7	-0.97005	-0.22071	-0.09567		22	-0.49559	-0.78383	-0.33980
	8	-0.96548	-0.23594	-0.10227		23	-0.48036	-0.79158	-0.34315
	9	-0.96062	-0.25109	-0.10884		24	-0.46498	-0.79908	-0.34641
	10	-0.95548	-0.26618	-0.11538		25	-0.44945	-0.80634	-0.34955
	11	-0.95005	-0.28118	-0.12189		26	-0.43378	-0.81335	-0.35259
	12	-0.94435	-0.29609	-0.12835		27	-0.41797	-0.82011	-0.35552
	13	-0.93836	-0.31092	-0.13478		28	-0.40204	-0.82662	-0.35834
	14	-0.93209	-0.32566	-0.14117		29	-0.38598	-0.83287	-0.36105
	15	-0.92555	-0.34029	-0.14752		30	-0.36980	-0.83886	-0.36365
	16	-0.91874	-0.35483	-0.15382	XII	1	-0.35351	-0.84459	-0.36613
	17	-0.91165	-0.36926	-0.16007		2	-0.33711	-0.85006	-0.36850
	18	-0.90429	-0.38358	-0.16628		3	-0.32061	-0.85526	-0.37076
	19	-0.89666	-0.39778	-0.17244		4	-0.30400	-0.86020	-0.37290
	20	-0.88876	-0.41187	-0.17855		5	-0.28730	-0.86488	-0.37493
	21	-0.88060	-0.42584	-0.18460		6	-0.27052	-0.86928	-0.37684
	22	-0.87218	-0.43968	-0.19060		7	-0.25365	-0.87342	-0.37863
	23	-0.86349	-0.45339	-0.19655		8	-0.23671	-0.87728	-0.38031
	24	-0.85454	-0.46697	-0.20243		9	-0.21969	-0.88087	-0.38186
	25	-0.84533	-0.48041	-0.20826		10	-0.20261	-0.88419	-0.38330
	26	-0.83586	-0.49370	-0.21402		11	-0.18547	-0.88724	-0.38463
	27	-0.82615	-0.50685	-0.21972		12	-0.16827	-0.89001	-0.38583
	28	-0.81618	-0.51984	-0.22535		13	-0.15102	-0.89251	-0.38691
	29	-0.80597	-0.53267	-0.23091		14	-0.13372	-0.89473	-0.38787
	30	-0.79551	-0.54535	-0.23641		15	-0.11638	-0.89668	-0.38872
	31	-0.78480	-0.55786	-0.24183		16	-0.09901	-0.89835	-0.38944
XI	1	-0.77386	-0.57020	-0.24718		17	-0.08161	-0.89974	-0.39004
	2	-0.76269	-0.58236	-0.25245		18	-0.06417	-0.90085	-0.39053
	3	-0.75128	-0.59435	-0.25765		19	-0.04672	-0.90169	-0.39089
	4	-0.73965	-0.60616	-0.26277		20	-0.02925	-0.90224	-0.39113
	5	-0.72779	-0.61778	-0.26780		21	-0.01177	-0.90252	-0.39125
	6	-0.71571	-0.62921	-0.27276		22	0.00571	-0.90252	-0.39125
	7	-0.70341	-0.64045	-0.27763		23	0.02320	-0.90223	-0.39112
	8	-0.69090	-0.65149	-0.28242		24	0.04067	-0.90167	-0.39088
	9	-0.67818	-0.66233	-0.28712		25	0.05814	-0.90082	-0.39051
	10	-0.66526	-0.67298	-0.29174		26	0.07559	-0.89969	-0.39002
	11	-0.65213	-0.68341	-0.29626		27	0.09302	-0.89828	-0.38941
	12	-0.63881	-0.69364	-0.30070		28	0.11042	-0.89659	-0.38868
	13	-0.62530	-0.70366	-0.30504		29	0.12778	-0.89462	-0.38782
	14	-0.61159	-0.71346	-0.30929		30	0.14511	-0.89237	-0.38685
	15	-0.59770	-0.72304	-0.31345		31	0.16239	-0.88984	-0.38575
	16	-0.58363	-0.73241	-0.31751					
	17	-0.56938	-0.74155	-0.32147					
XI	18	-0.55496	-0.75047	-0.32534					