

SLOŇCE

Data 2009	0 ^h UT			Data 2009	0 ^h UT				
	X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		
I	1	0.18047	-0.88685	-0.38447	II	16	0.83150	-0.48943	-0.21219
	2	0.19763	-0.88375	-0.38313		17	0.84094	-0.47601	-0.20637
	3	0.21474	-0.88037	-0.38167		18	0.85013	-0.46245	-0.20049
	4	0.23177	-0.87672	-0.38008		19	0.85906	-0.44874	-0.19455
	5	0.24873	-0.87280	-0.37838		20	0.86773	-0.43490	-0.18855
	6	0.26562	-0.86861	-0.37657		21	0.87613	-0.42092	-0.18248
	7	0.28242	-0.86415	-0.37463		22	0.88427	-0.40681	-0.17637
	8	0.29912	-0.85941	-0.37258		23	0.89213	-0.39258	-0.17020
	9	0.31574	-0.85442	-0.37041		24	0.89972	-0.37822	-0.16397
	10	0.33226	-0.84916	-0.36813		25	0.90703	-0.36375	-0.15770
	11	0.34867	-0.84363	-0.36574		26	0.91406	-0.34916	-0.15137
	12	0.36498	-0.83785	-0.36323		27	0.92082	-0.33447	-0.14500
	13	0.38117	-0.83181	-0.36061		28	0.92729	-0.31968	-0.13859
	14	0.39724	-0.82551	-0.35788	III	1	0.93348	-0.30479	-0.13214
	15	0.41320	-0.81895	-0.35504		2	0.93938	-0.28981	-0.12564
	16	0.42902	-0.81214	-0.35209		3	0.94500	-0.27474	-0.11911
	17	0.44472	-0.80507	-0.34903		4	0.95032	-0.25959	-0.11254
	18	0.46028	-0.79776	-0.34586		5	0.95536	-0.24436	-0.10594
	19	0.47570	-0.79020	-0.34258		6	0.96011	-0.22906	-0.09931
	20	0.49097	-0.78239	-0.33919		7	0.96457	-0.21370	-0.09265
	21	0.50608	-0.77433	-0.33570		8	0.96874	-0.19826	-0.08596
	22	0.52105	-0.76604	-0.33210		9	0.97261	-0.18277	-0.07924
	23	0.53585	-0.75751	-0.32840		10	0.97619	-0.16723	-0.07250
	24	0.55048	-0.74874	-0.32460		11	0.97948	-0.15163	-0.06574
	25	0.56495	-0.73973	-0.32070		12	0.98248	-0.13600	-0.05896
	26	0.57924	-0.73050	-0.31669		13	0.98518	-0.12031	-0.05217
	27	0.59334	-0.72103	-0.31259		14	0.98758	-0.10460	-0.04535
	28	0.60727	-0.71135	-0.30839		15	0.98969	-0.08885	-0.03852
	29	0.62100	-0.70144	-0.30410		16	0.99150	-0.07307	-0.03168
	30	0.63454	-0.69132	-0.29971		17	0.99301	-0.05727	-0.02483
	31	0.64788	-0.68098	-0.29522		18	0.99423	-0.04145	-0.01798
II	1	0.66102	-0.67043	-0.29065		19	0.99515	-0.02562	-0.01111
	2	0.67395	-0.65967	-0.28598		20	0.99577	-0.00978	-0.00424
	3	0.68668	-0.64871	-0.28123		21	0.99609	0.00607	0.00263
	4	0.69919	-0.63755	-0.27640		22	0.99611	0.02191	0.00950
	5	0.71148	-0.62619	-0.27147		23	0.99584	0.03775	0.01636
	6	0.72355	-0.61464	-0.26647		24	0.99526	0.05358	0.02323
	7	0.73540	-0.60291	-0.26138		25	0.99439	0.06940	0.03008
	8	0.74703	-0.59099	-0.25621		26	0.99322	0.08519	0.03693
	9	0.75842	-0.57889	-0.25097		27	0.99175	0.10096	0.04377
	10	0.76958	-0.56661	-0.24565		28	0.98998	0.11670	0.05059
	11	0.78051	-0.55416	-0.24025		29	0.98792	0.13240	0.05740
	12	0.79120	-0.54154	-0.23478		30	0.98556	0.14806	0.06419
	13	0.80164	-0.52875	-0.22923		31	0.98291	0.16368	0.07096
	14	0.81184	-0.51580	-0.22362	IV	1	0.97996	0.17925	0.07771
II	15	0.82179	-0.50269	-0.21794	IV	2	0.97673	0.19476	0.08443

SŁOŃCE

Data 2009	0 ^h UT			Data 2009	0 ^h UT				
	X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		
IV	3	0.97320	0.21021	0.09113	V	19	0.53566	0.78745	0.34138
	4	0.96939	0.22560	0.09780		20	0.52127	0.79576	0.34498
	5	0.96529	0.24092	0.10444		21	0.50673	0.80384	0.34849
	6	0.96091	0.25617	0.11105		22	0.49204	0.81169	0.35189
	7	0.95624	0.27135	0.11763		23	0.47721	0.81931	0.35520
	8	0.95130	0.28644	0.12417		24	0.46224	0.82670	0.35840
	9	0.94608	0.30145	0.13068		25	0.44714	0.83385	0.36150
	10	0.94058	0.31636	0.13715		26	0.43191	0.84076	0.36449
	11	0.93480	0.33119	0.14357		27	0.41656	0.84742	0.36738
	12	0.92875	0.34592	0.14996		28	0.40109	0.85385	0.37017
	13	0.92243	0.36055	0.15630		29	0.38551	0.86003	0.37285
	14	0.91584	0.37508	0.16260		30	0.36982	0.86597	0.37542
	15	0.90898	0.38949	0.16885		31	0.35403	0.87166	0.37788
	16	0.90185	0.40379	0.17505	VI	1	0.33813	0.87710	0.38024
	17	0.89446	0.41798	0.18120		2	0.32215	0.88229	0.38249
	18	0.88681	0.43205	0.18730		3	0.30607	0.88723	0.38464
	19	0.87889	0.44599	0.19334		4	0.28991	0.89192	0.38667
	20	0.87072	0.45980	0.19933		5	0.27366	0.89636	0.38859
	21	0.86230	0.47347	0.20526		6	0.25734	0.90055	0.39041
	22	0.85362	0.48701	0.21113		7	0.24095	0.90448	0.39211
	23	0.84469	0.50041	0.21694		8	0.22449	0.90815	0.39371
	24	0.83551	0.51366	0.22269		9	0.20797	0.91157	0.39519
	25	0.82609	0.52677	0.22837		10	0.19139	0.91474	0.39656
	26	0.81643	0.53972	0.23398		11	0.17475	0.91765	0.39782
	27	0.80653	0.55251	0.23953		12	0.15807	0.92029	0.39897
	28	0.79639	0.56514	0.24500		13	0.14133	0.92268	0.40001
	29	0.78602	0.57760	0.25040		14	0.12456	0.92481	0.40093
	30	0.77543	0.58989	0.25573		15	0.10775	0.92668	0.40174
V	1	0.76461	0.60202	0.26099		16	0.09091	0.92829	0.40244
	2	0.75357	0.61396	0.26617		17	0.07404	0.92964	0.40303
	3	0.74231	0.62573	0.27127		18	0.05715	0.93072	0.40350
	4	0.73084	0.63732	0.27629		19	0.04024	0.93154	0.40385
	5	0.71916	0.64872	0.28123		20	0.02332	0.93210	0.40409
	6	0.70728	0.65994	0.28609		21	0.00639	0.93239	0.40422
	7	0.69519	0.67096	0.29087		22	-0.01054	0.93242	0.40423
	8	0.68291	0.68179	0.29557		23	-0.02747	0.93218	0.40413
	9	0.67042	0.69243	0.30018		24	-0.04439	0.93168	0.40391
	10	0.65775	0.70287	0.30471		25	-0.06130	0.93092	0.40358
	11	0.64489	0.71310	0.30914		26	-0.07819	0.92989	0.40313
	12	0.63185	0.72314	0.31350		27	-0.09505	0.92860	0.40257
	13	0.61862	0.73296	0.31776		28	-0.11189	0.92705	0.40190
	14	0.60521	0.74258	0.32193		29	-0.12870	0.92523	0.40111
	15	0.59164	0.75199	0.32601		30	-0.14546	0.92316	0.40021
	16	0.57789	0.76118	0.32999	VII	1	-0.16219	0.92082	0.39920
	17	0.56397	0.77016	0.33388		2	-0.17886	0.91823	0.39807
V	18	0.54989	0.77891	0.33768	VII	3	-0.19549	0.91537	0.39684

SŁOŃCE

Data 2009	0 ^h UT			Data 2009	0 ^h UT				
	X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		
VII	4	-0.21206	0.91227	0.39549	VIII	19	-0.83932	0.51889	0.22496
	5	-0.22857	0.90890	0.39403		20	-0.84854	0.50578	0.21927
	6	-0.24501	0.90528	0.39246		21	-0.85752	0.49253	0.21352
	7	-0.26139	0.90141	0.39079		22	-0.86625	0.47913	0.20772
	8	-0.27769	0.89729	0.38900		23	-0.87473	0.46560	0.20185
	9	-0.29392	0.89291	0.38710		24	-0.88295	0.45193	0.19592
	10	-0.31006	0.88828	0.38510		25	-0.89093	0.43813	0.18994
	11	-0.32611	0.88341	0.38298		26	-0.89864	0.42421	0.18391
	12	-0.34208	0.87828	0.38076		27	-0.90610	0.41017	0.17782
	13	-0.35795	0.87291	0.37843		28	-0.91330	0.39601	0.17168
	14	-0.37372	0.86730	0.37600		29	-0.92023	0.38174	0.16550
	15	-0.38939	0.86144	0.37346		30	-0.92690	0.36737	0.15926
	16	-0.40495	0.85533	0.37081		31	-0.93331	0.35288	0.15299
	17	-0.42040	0.84899	0.36806	IX	1	-0.93944	0.33830	0.14666
	18	-0.43573	0.84240	0.36521		2	-0.94531	0.32362	0.14030
	19	-0.45094	0.83557	0.36225		3	-0.95090	0.30885	0.13390
	20	-0.46602	0.82851	0.35918		4	-0.95622	0.29399	0.12746
	21	-0.48097	0.82121	0.35602		5	-0.96127	0.27905	0.12098
	22	-0.49578	0.81368	0.35276		6	-0.96604	0.26402	0.11447
	23	-0.51045	0.80592	0.34939		7	-0.97053	0.24892	0.10792
	24	-0.52498	0.79793	0.34593		8	-0.97475	0.23375	0.10134
	25	-0.53936	0.78972	0.34236		9	-0.97868	0.21851	0.09473
	26	-0.55358	0.78128	0.33870		10	-0.98233	0.20320	0.08810
	27	-0.56765	0.77261	0.33495		11	-0.98570	0.18784	0.08144
	28	-0.58155	0.76374	0.33110		12	-0.98878	0.17242	0.07475
	29	-0.59529	0.75464	0.32716		13	-0.99158	0.15695	0.06804
	30	-0.60886	0.74533	0.32312		14	-0.99409	0.14143	0.06132
	31	-0.62226	0.73582	0.31900		15	-0.99630	0.12586	0.05457
VIII	1	-0.63547	0.72609	0.31478		16	-0.99823	0.11026	0.04780
	2	-0.64851	0.71617	0.31048		17	-0.99987	0.09463	0.04103
	3	-0.66137	0.70604	0.30609		18	-1.00121	0.07897	0.03424
	4	-0.67403	0.69571	0.30161		19	-1.00226	0.06328	0.02744
	5	-0.68651	0.68519	0.29705		20	-1.00301	0.04758	0.02063
	6	-0.69879	0.67447	0.29240		21	-1.00348	0.03186	0.01381
	7	-0.71088	0.66356	0.28768		22	-1.00364	0.01614	0.00700
	8	-0.72277	0.65247	0.28287		23	-1.00351	0.00041	0.00018
	9	-0.73445	0.64119	0.27798		24	-1.00309	-0.01532	-0.00664
	10	-0.74592	0.62973	0.27301		25	-1.00237	-0.03104	-0.01346
	11	-0.75719	0.61809	0.26796		26	-1.00136	-0.04676	-0.02027
	12	-0.76824	0.60627	0.26284		27	-1.00005	-0.06245	-0.02707
	13	-0.77907	0.59428	0.25764		28	-0.99845	-0.07813	-0.03387
	14	-0.78968	0.58212	0.25237		29	-0.99655	-0.09379	-0.04066
	15	-0.80007	0.56980	0.24703		30	-0.99437	-0.10941	-0.04743
	16	-0.81024	0.55731	0.24161	X	1	-0.99189	-0.12500	-0.05419
	17	-0.82017	0.54466	0.23613		2	-0.98912	-0.14056	-0.06093
VIII	18	-0.82986	0.53185	0.23057	X	3	-0.98606	-0.15607	-0.06765

SŁOŃCE

Data 2009	0 ^h UT			Data 2009	0 ^h UT				
	X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		X ₂₀₀₀	Y ₂₀₀₀	Z ₂₀₀₀		
X	4	-0.98271	-0.17153	-0.07436	XI	19	-0.54337	-0.75749	-0.32839
	5	-0.97908	-0.18695	-0.08104		20	-0.52863	-0.76599	-0.33208
	6	-0.97515	-0.20231	-0.08770		21	-0.51373	-0.77426	-0.33566
	7	-0.97094	-0.21761	-0.09433		22	-0.49867	-0.78229	-0.33914
	8	-0.96644	-0.23285	-0.10094		23	-0.48346	-0.79007	-0.34252
	9	-0.96165	-0.24802	-0.10752		24	-0.46810	-0.79762	-0.34579
	10	-0.95658	-0.26312	-0.11406		25	-0.45260	-0.80491	-0.34895
	11	-0.95122	-0.27814	-0.12058		26	-0.43696	-0.81196	-0.35200
	12	-0.94559	-0.29308	-0.12706		27	-0.42118	-0.81876	-0.35495
	13	-0.93967	-0.30793	-0.13350		28	-0.40528	-0.82531	-0.35779
	14	-0.93346	-0.32270	-0.13990		29	-0.38926	-0.83160	-0.36051
	15	-0.92698	-0.33737	-0.14626		30	-0.37312	-0.83763	-0.36313
	16	-0.92022	-0.35194	-0.15257	XII	1	-0.35686	-0.84341	-0.36564
	17	-0.91319	-0.36640	-0.15884		2	-0.34049	-0.84893	-0.36803
	18	-0.90588	-0.38075	-0.16507		3	-0.32402	-0.85419	-0.37031
	19	-0.89829	-0.39499	-0.17124		4	-0.30745	-0.85919	-0.37248
	20	-0.89044	-0.40911	-0.17736		5	-0.29079	-0.86392	-0.37453
	21	-0.88232	-0.42311	-0.18343		6	-0.27403	-0.86838	-0.37647
	22	-0.87393	-0.43698	-0.18944		7	-0.25719	-0.87258	-0.37829
	23	-0.86528	-0.45072	-0.19540		8	-0.24027	-0.87651	-0.37999
	24	-0.85637	-0.46432	-0.20129		9	-0.22327	-0.88017	-0.38158
	25	-0.84721	-0.47777	-0.20713		10	-0.20620	-0.88356	-0.38305
	26	-0.83778	-0.49109	-0.21290		11	-0.18907	-0.88668	-0.38440
	27	-0.82811	-0.50425	-0.21860		12	-0.17188	-0.88952	-0.38563
	28	-0.81819	-0.51727	-0.22424		13	-0.15463	-0.89208	-0.38674
	29	-0.80802	-0.53012	-0.22982		14	-0.13733	-0.89437	-0.38773
	30	-0.79761	-0.54281	-0.23532		15	-0.11999	-0.89637	-0.38860
	31	-0.78697	-0.55534	-0.24075		16	-0.10261	-0.89810	-0.38935
XI	1	-0.77608	-0.56771	-0.24611		17	-0.08519	-0.89955	-0.38998
	2	-0.76496	-0.57990	-0.25140		18	-0.06775	-0.90071	-0.39048
	3	-0.75361	-0.59191	-0.25660		19	-0.05029	-0.90160	-0.39087
	4	-0.74204	-0.60375	-0.26174		20	-0.03282	-0.90221	-0.39113
	5	-0.73024	-0.61541	-0.26679		21	-0.01534	-0.90253	-0.39127
	6	-0.71822	-0.62688	-0.27176		22	0.00215	-0.90257	-0.39129
	7	-0.70598	-0.63816	-0.27665		23	0.01964	-0.90233	-0.39118
	8	-0.69352	-0.64925	-0.28146		24	0.03711	-0.90181	-0.39096
	9	-0.68086	-0.66014	-0.28619		25	0.05458	-0.90101	-0.39061
	10	-0.66798	-0.67083	-0.29082		26	0.07202	-0.89993	-0.39014
	11	-0.65491	-0.68132	-0.29537		27	0.08945	-0.89857	-0.38955
	12	-0.64163	-0.69160	-0.29983		28	0.10684	-0.89693	-0.38884
	13	-0.62815	-0.70168	-0.30420		29	0.12420	-0.89501	-0.38801
	14	-0.61448	-0.71153	-0.30847		30	0.14152	-0.89282	-0.38706
	15	-0.60062	-0.72117	-0.31265		31	0.15879	-0.89035	-0.38599
	16	-0.58657	-0.73059	-0.31673					
	17	-0.57235	-0.73979	-0.32072					
XI	18	-0.55794	-0.74876	-0.32461					