

surface distance

2000	230,613	223,298	216,439	209,997	203,933	198,216	192,817	187,709	182,871	178,280	173,919	169,771	165,820	162,053
2500	285,541	276,451	267,930	259,925	252,391	245,287	238,578	232,232	226,220	220,516	215,097	209,943	205,034	200,353
3000	339,332	328,505	318,354	308,819	299,844	291,382	283,391	275,831	268,669	261,875	255,420	249,280	243,432	237,857
3500	391,774	379,252	367,512	356,484	346,104	336,318	327,075	318,332	310,049	302,191	294,726	287,625	280,862	274,414
4000	442,657	428,490	415,208	402,731	390,988	379,916	369,459	359,567	350,196	341,306	332,860	324,826	317,175	309,879
4500	491,779	476,023	461,252	447,376	434,316	422,002	410,373	399,372	388,950	379,063	369,670	360,735	352,225	344,112
5000	538,945	521,663	505,461	490,241	475,916	462,410	449,654	437,588	426,156	415,311	405,009	395,208	385,875	376,976
5500	583,967	565,227	547,659	531,156	515,623	500,978	487,147	474,063	461,668	449,908	438,737	428,110	417,989	408,340
6000	626,665	606,543	587,679	569,957	553,279	537,553	522,701	508,652	495,342	482,715	470,719	459,308	448,441	438,079
6500	666,871	645,446	625,360	606,492	588,733	571,990	556,176	541,217	527,046	513,601	500,829	488,679	477,109	466,076
7000	704,423	681,781	660,554	640,613	621,846	604,151	587,439	571,630	556,653	542,444	528,946	516,106	503,878	492,219
7500	739,174	715,404	693,120	672,187	652,485	633,908	616,364	599,768	584,046	569,130	554,959	541,480	528,643	516,403
8000	770,983	746,181	722,929	701,086	680,528	661,144	642,838	625,521	609,115	593,551	578,765	564,700	551,305	538,533
8500	799,726	773,989	749,861	727,196	705,863	685,750	666,754	648,785	631,761	615,611	600,268	585,673	571,774	558,521
9000	825,287	798,719	773,811	750,413	728,391	707,627	688,017	669,468	651,894	635,222	619,383	604,317	589,968	576,287
9500	847,565	820,270	794,682	770,644	748,021	726,690	706,544	687,487	669,433	652,305	636,034	620,556	605,815	591,760
10000	866,471	838,559	812,392	787,810	764,675	742,861	722,260	702,772	684,310	666,794	650,154	634,326	619,252	604,879
10500	881,930	853,512	826,870	801,842	778,287	756,078	735,102	715,261	696,464	678,630	661,689	645,574	630,226	615,592
11000	893,880	865,069	838,058	812,684	788,803	766,286	745,021	724,904	705,847	687,767	670,591	654,252	638,692	623,856
	30	31	32	33	34	35	36	37	38	39	40	41	42	43
	lunar parallax in minutes of arc													

surface distance

<b>2000</b>	158,457	155,021	151,735	148,588	145,572	142,680	139,903	137,235	134,669	132,201	129,824	127,533	125,324	123,193	121,135	119,147	117,225
<b>2500</b>	195,885	191,616	187,532	183,623	179,876	176,282	172,831	169,516	166,329	163,262	160,308	157,462	154,717	152,069	149,512	147,042	144,654
<b>3000</b>	232,535	227,449	222,584	217,927	213,464	209,182	205,072	201,123	197,327	193,673	190,155	186,764	183,495	180,340	177,294	174,352	171,507
<b>3500</b>	268,259	262,377	256,751	251,364	246,202	241,251	236,497	231,930	227,539	223,314	219,244	215,323	211,542	207,894	204,371	200,968	197,678
<b>4000</b>	302,915	296,261	289,896	283,802	277,961	272,360	266,982	261,815	256,847	252,066	247,462	243,026	238,748	234,621	230,635	226,785	223,063
<b>4500</b>	336,367	328,966	321,888	315,110	308,615	302,385	296,404	290,658	285,132	279,815	274,696	269,762	265,004	260,414	255,982	251,699	247,560
<b>5000</b>	368,481	360,363	352,599	345,165	338,041	331,207	324,647	318,344	312,284	306,452	300,836	295,425	290,206	285,171	280,310	275,613	271,073
<b>5500</b>	399,128	390,327	381,907	373,847	366,122	358,712	351,599	344,764	338,193	331,869	325,780	319,912	314,254	308,794	303,522	298,430	293,507
<b>6000</b>	428,188	418,737	409,697	401,041	392,746	384,790	377,151	369,813	362,756	355,966	349,428	343,127	337,051	331,188	325,528	320,059	314,773
<b>6500</b>	455,545	445,482	435,856	426,640	417,808	409,336	401,204	393,390	385,877	378,647	371,685	364,976	358,507	352,265	346,238	340,416	334,787
<b>7000</b>	481,089	470,454	460,281	450,542	441,208	432,255	423,660	415,402	407,462	399,822	392,464	385,374	378,537	371,941	365,571	359,418	353,469
<b>7500</b>	504,719	493,555	482,876	472,651	462,852	453,454	444,431	435,762	427,427	419,406	411,682	404,239	397,062	390,136	383,450	376,990	370,745
<b>8000</b>	526,342	514,692	503,549	492,880	482,656	472,849	463,434	454,388	445,691	437,321	429,262	421,495	414,006	406,780	399,803	393,062	386,547
<b>8500</b>	545,870	533,782	522,219	511,148	500,539	490,363	480,593	471,207	462,182	453,497	445,134	437,075	429,304	421,806	414,566	407,571	400,810
<b>9000</b>	563,227	550,748	538,812	527,383	516,431	505,926	495,841	486,151	476,834	467,869	459,235	450,916	442,894	435,153	427,679	420,459	413,479
<b>9500</b>	578,344	565,524	553,261	541,520	530,268	519,476	509,115	499,161	489,589	480,379	471,510	462,963	454,722	446,769	439,091	431,673	424,503
<b>10000</b>	591,159	578,049	565,509	553,503	541,996	530,960	520,365	510,185	500,397	490,978	481,908	473,168	464,741	456,608	448,757	441,171	433,838
<b>10500</b>	601,623	588,275	575,507	563,283	551,568	540,331	529,544	519,180	509,214	499,624	490,390	481,491	472,911	464,631	456,637	448,913	441,448
<b>11000</b>	609,693	596,161	583,216	570,823	558,946	547,553	536,617	526,109	516,005	506,283	496,921	487,899	479,199	470,805	462,700	454,870	447,301
	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>	<b>51</b>	<b>52</b>	<b>53</b>	<b>54</b>	<b>55</b>	<b>56</b>	<b>57</b>	<b>58</b>	<b>59</b>	<b>60</b>

lunar parallax in minutes of arc

surface distance	61	62	63	64	65	66	67	68	69	70
2000	115,366	113,568	111,826	110,138	108,503	106,917	105,379	103,885	102,436	101,027
2500	142,344	140,109	137,945	135,849	133,817	131,846	129,935	128,079	126,277	124,527
3000	168,756	166,094	163,516	161,018	158,598	156,251	153,973	151,763	149,617	147,532
3500	194,496	191,417	188,436	185,547	182,748	180,033	177,400	174,844	172,362	169,950
4000	219,463	215,979	212,606	209,338	206,171	203,100	200,120	197,228	194,420	191,692
4500	243,557	239,682	235,931	232,296	228,774	225,358	222,045	218,829	215,706	212,672
5000	266,681	262,431	258,317	254,331	250,467	246,721	243,086	239,558	236,133	232,805
5500	288,745	284,137	279,675	275,353	271,163	267,101	263,160	259,335	255,620	252,012
6000	309,660	304,712	299,921	295,280	290,781	286,419	282,187	278,080	274,091	270,217
6500	329,343	324,075	318,974	314,032	309,242	304,598	300,092	295,718	291,472	287,347
7000	347,716	342,148	336,757	331,535	326,473	321,564	316,802	312,181	307,693	303,333
7500	364,706	358,861	353,201	347,719	342,405	337,252	332,253	327,401	322,690	318,113
8000	380,244	374,145	368,240	362,519	356,975	351,598	346,382	341,319	336,403	331,627
8500	394,270	387,942	381,814	375,878	370,124	364,545	359,132	353,879	348,778	343,822
9000	406,728	400,195	393,869	387,741	381,801	376,042	370,454	365,031	359,765	354,649
9500	417,568	410,856	404,357	398,062	391,960	386,043	380,302	374,731	369,321	364,066
10000	426,746	419,882	413,237	406,799	400,559	394,508	388,638	382,940	377,408	372,034
10500	434,227	427,238	420,472	413,917	407,564	401,404	395,427	389,626	383,993	378,522
11000	439,980	432,895	426,035	419,390	412,948	406,703	400,643	394,762	389,051	383,504
	61	62	63	64	65	66	67	68	69	70
	lunar parallax in minutes of arc									