

## Deneb A0 Ib

based on the list of Eta Leo , HD87737

							Deneb	Deneb	WL	EtaLeo/Ares
23.01	4005.705	1.817	-0.522	8.36	-6.64	-7.97	82	5.58		
28.01	4015.474	4.032	-2.424	8.82	-6.63	-7.94	67	7.372		
23.01	4023.427	2.359	-0.956	8.23	-5.42	-7.78	52	5.328	4023.38	325
26.01	4032.935	4.495	-2.572	8.55	-6.51	-7.89	79	8.86	4032.94	21
26.01	4044.012	5.571	-2.671	8.62	-6.52	-7.87	40	8.293	4044.01	25
26.00	4045.812	1.485	0.280	8.07	-6.09	-7.64	115	9.653	4045.81	25
24.01	4051.930	3.104	-2.331	8.41	-6.72	-7.79	67	6.851	4051.93	27
26.01	4057.461	7.274	-1.680	8.55	-6.51	-7.88	32	8.005	4057.46	45
26.00	4063.594	1.557	0.062	8.08	-6.24	-7.63	86	9.144	4063.59	42
28.01	4067.031	4.029	-1.835	8.65	-6.62	-7.94	150	8.277	4067.03	43
26.00	4071.738	1.608	-0.022	8.07	-6.24	-7.62	58	8.175	4071.74	20
14.01	4076.780	9.837	-1.668	9.40	0.00	0.00	40	8.154	4076.78	28
38.01	4077.709	0.000	0.167	0.00	0.00	-7.71	93	4.873	4077.71	24
24.01	4082.285	5.319	-1.580	8.49	-6.61	-7.86	13	5.733	4082.28	11
24.01	4113.212	3.105	-3.046	8.37	-6.72	-7.79	4.7	5.413	4113.21	53
26.01	4119.524	2.544	-4.395	8.56	-6.60	-7.80	31	8.014	4119.52	34
26.01	4122.668	2.583	-3.300	8.47	-6.54	-7.88	166	9.849	4122.67	29
									4124.79	49
14.01	4128.054	9.837	0.316	9.44	-4.87	0.00	236	8.342	4128.05	18
14.01	4130.894	9.839	0.476	9.44	-4.87	0.00	242	8.207	4130.89	1
24.01	4145.781	5.319	-1.106	8.46	-6.64	-7.86	62	6.762	4145.78	57
16.01	4162.665	15.944	0.830	8.62	0.00	0.00	7.7	6.753	4162.67	41
22.01	4163.644	2.590	-0.130	8.37	-6.62	-7.89	139	7.01	4163.64	33
22.01	4171.904	2.598	-0.290	8.37	-6.62	-7.89	124	6.977	4171.90	61
26.01	4173.461	2.583	-2.617	8.56	-6.54	-7.88	309	9.721	4173.46	27
26.01	4178.862	2.583	-2.535	8.47	-6.54	-7.88	350	9.842	4178.86	19
28.01	4187.849	4.029	-2.676	8.52	-6.63	-7.94	53	7.209	4187.85	11
25.01	4206.367	5.397	-1.553	8.44	-6.63	-7.94	13	5.682	4206.37	11
38.01	4215.519	0.000	-0.145	0.00	0.00	-7.71	69	4.41	4215.52	19
26.01	4233.172	2.583	-1.947	8.56	-6.54	-7.88	467	9.427	4233.17	20
21.01	4246.822	0.315	0.242	8.16	-6.37	-7.91	130	5.145	4246.82	17
26.01	4258.154	2.704	-3.478	8.47	-6.53	-7.88	136	9.805	4258.15	18
24.01	4261.913	3.864	-1.560	8.41	-6.66	-7.83	144	8.18	4261.91	32
26.01	4263.869	7.693	-1.691	8.96	-5.75	-7.53	20	7.85	4263.87	42
24.01	4269.277	3.854	-2.201	8.41	-6.65	-7.83	56	6.775	4269.28	34
26.00	4271.760	1.485	-0.164	8.02	-6.07	-7.66	70	8.667	4271.76	25
26.01	4273.326	2.704	-3.303	8.56	-6.53	-7.87	143	9.622	4273.33	7
24.01	4275.567	3.858	-1.736	8.41	-6.65	-7.84	112	7.909	4275.57	27
26.01	4278.159	2.692	-3.951	8.47	-6.53	-7.88	79	9.158	4278.16	34

26.01	4286.280	7.708	-1.715	8.96	-5.75	-7.53	17	7.774	4286.28	32
22.01	4287.872	1.080	-1.790	8.23	-6.55	-7.92	57	5.687	4287.87	27
22.01	4290.215	1.165	-0.850	8.46	-6.66	-7.91	185	7.139	4290.21	25
22.01	4294.094	1.084	-0.930	8.23	-6.54	-7.92	196	7.447	4294.09	5
26.01	4296.572	2.704	-2.933	8.47	-6.53	-7.88	220	9.842	4296.57	28
22.01	4300.042	1.180	-0.440	8.47	-6.69	-7.91	272	7.153	4300.04	25
22.01	4301.914	1.161	-1.150	8.47	-6.68	-7.91	134	6.961	4301.91	26
26.01	4303.176	2.704	-2.511	8.56	-6.53	-7.88	323	9.706	4303.18	19
22.01	4307.863	1.165	-1.070	8.47	-6.66	-7.91	167	7.221	4307.86	45
22.01	4312.860	1.180	-1.100	8.46	-6.69	-7.91	146	7.077	4312.86	3
22.01	4316.794	2.048	-1.580	8.47	-6.58	-7.94	28	5.316	4316.79	9
25.01	4326.639	5.398	-1.357	8.65	-6.62	-7.94	32	6.102	4326.64	95
26.01	4351.768	2.704	-2.216	8.56	-6.53	-7.88	402	9.624	4351.77	2
26.01	4354.344	7.653	-1.352	9.04	-5.82	-7.56	31	7.874	4354.34	23
26.01	4357.584	6.088	-2.010	8.64	-6.53	-7.87	61	8.611	4357.58	23
28.01	4362.099	4.029	-2.723	8.59	-6.64	-7.94	44	6.966	4362.10	56
26.01	4369.411	2.778	-3.584	8.47	-6.53	-7.88	88	9.088	4369.41	33
26.00	4383.545	1.485	0.200	8.01	-6.08	-7.67	101	9.349	4383.54	26
26.01	4385.387	2.778	-2.582	8.56	-6.53	-7.88	271	9.64	4385.39	19
2.00	4387.929	21.218	-0.883	0.00	-3.08	0.00	31	10.72	4387.93	21
12.01	4390.572	9.999	-0.530	0.00	-4.07	0.00	105	8.442	4390.57	24
22.01	4395.031	1.084	-0.540	8.21	-6.51	-7.92	269	7.412	4395.03	21
22.01	4399.765	1.237	-1.190	8.46	-6.61	-7.95	126	6.926	4399.77	22
26.01	4404.753	4.584	-2.967	7.44	-4.24	-7.32	65	8.773	4404.75	21
22.01	4411.072	3.095	-0.670	8.35	-6.54	-7.89	46	5.495	4411.07	21
26.01	4416.830	2.778	-2.602	8.56	-6.53	-7.88	288	9.714	4416.83	21
22.01	4421.938	2.061	-1.660	8.41	-6.59	-7.94	28	5.395	4421.94	9
12.01	4427.994	9.996	-1.210	0.00	-4.40	0.00	33	7.664	4427.99	32
12.01	4433.988	9.999	-0.910	0.00	-4.40	0.00	46	7.656	4433.99	29
22.01	4443.794	1.080	-0.720	8.20	-6.51	-7.92	216	7.338	4443.79	34
22.01	4450.482	1.084	-1.520	8.20	-6.50	-7.92	97	6.662	4450.48	26
26.01	4451.551	6.138	-1.907	8.66	-6.53	-7.86	68	8.735	4451.55	29
26.01	4455.266	6.226	-2.000	8.56	-6.52	-7.87	57	8.55	4455.27	23
22.01	4464.449	1.161	-1.810	8.22	-6.71	-7.93	59	5.794	4464.45	34
22.01	4468.507	1.131	-0.600	8.21	-6.72	-7.93	224	7.28	4468.51	26
26.01	4472.929	2.844	-3.531	8.47	-6.53	-7.88	98	9.299	4472.93	27
22.01	4488.325	3.124	-0.510	8.34	-6.54	-7.89	67	5.964	4488.33	25
26.01	4491.405	2.856	-2.756	8.47	-6.53	-7.88	240	9.811	4491.40	25
22.01	4501.270	1.116	-0.770	8.20	-6.73	-7.93	203	7.33	4501.27	25
26.01	4508.288	2.856	-2.349	8.56	-6.53	-7.87	337	9.642	4508.29	9
26.01	4515.339	2.844	-2.540	8.47	-6.53	-7.88	310	9.833	4515.34	16
26.01	4520.224	2.807	-2.617	8.47	-6.53	-7.88	289	9.821	4520.22	10

26.01	4522.634	2.844	-2.169	8.56	-6.53	-7.88	389	9.587	4522.63	14
22.01	4529.474	1.572	-1.640	8.36	-6.68	-7.89	45	5.484	4529.47	82
24.01	4539.595	4.042	-2.394	8.41	-6.72	-7.77	26	6.219	4539.60	29
26.01	4541.524	2.856	-2.973	8.56	-6.53	-7.88	200	9.742	4541.52	22
24.01	4554.988	4.071	-1.491	8.41	-6.64	-7.76	133	8.046	4554.99	24
26.01	4555.893	2.828	-2.421	8.47	-6.53	-7.88	342	9.792	4555.99	16
									4555.89	16
24.01	4558.650	4.073	-0.662	8.41	-6.64	-7.76	321	8.254	4558.65	19
22.01	4563.757	1.221	-0.690	8.22	-6.71	-7.96	210	7.322	4563.76	26
24.01	4565.739	4.042	-1.982	8.41	-6.72	-7.77	61	6.805	4565.74	5730
									4565.74	5730
22.01	4571.968	1.572	-0.320	8.37	-6.68	-7.89	254	7.249	4571.97	23
26.01	4576.340	2.844	-2.976	8.56	-6.53	-7.88	196	9.709	4576.34	22
26.01	4582.835	2.844	-3.224	8.47	-6.53	-7.88	165	9.836	4582.83	19
26.01	4583.837	2.807	-1.867	8.56	-6.53	-7.88	477	9.448	4583.84	11
24.01	4588.199	4.071	-0.845	8.41	-6.66	-7.76	274	8.278	4588.20	22
24.01	4592.049	4.074	-1.473	8.41	-6.66	-7.77	139	8.093	4592.05	33
26.01	4598.494	7.804	-1.536	9.00	-5.82	-7.55	23	7.886	4598.49	27
23.01	4600.166	2.265	-1.523	8.31	-6.67	-7.96	8.7	4.464	4600.17	41
26.01	4601.378	2.891	-4.519	8.56	-6.50	-7.87	18	7.938	4601.38	38
24.01	4616.629	4.072	-1.576	8.41	-6.65	-7.77	123	7.99	4616.63	21
24.01	4618.803	4.074	-1.084	8.41	-6.65	-7.77	223	8.303	4618.80	27
26.01	4620.521	2.828	-3.315	8.56	-6.53	-7.88	139	9.606	4620.52	18
26.01	4629.339	2.807	-2.478	8.47	-6.53	-7.89	336	9.81	4629.34	17
24.01	4634.070	4.072	-1.236	8.41	-6.65	-7.77	188	8.255	4634.07	4
26.01	4635.316	5.956	-1.578	8.64	-6.56	-7.78	124	9.45	4635.32	26
26.01	4638.050	7.708	-1.536	9.00	-5.82	-7.56	24	7.871	4638.05	20
									4640.81	27
26.01	4648.944	2.583	-4.565	8.56	-6.54	-7.89	20	7.87	4648.94	10
13.01	4663.046	10.598	-0.284	7.99	0.00	0.00	51	6.872	4660.63	109
26.01	4666.758	2.828	-3.368	8.47	-6.53	-7.89	139	9.726	4663.05	22
22.01	4708.662	1.237	-2.340	8.20	-6.73	-7.97	17	5.235	4666.76	25
26.01	4731.453	2.891	-3.127	8.56	-6.50	-7.88	153	9.571	4708.66	85
25.01	4738.290	5.380	-1.876	8.42	-6.63	-7.94	12	5.95	4731.45	1
25.01	4755.727	5.397	-1.242	8.42	-6.63	-7.94	29	5.894	4755.73	17
25.01	4764.728	5.398	-1.351	8.42	-6.63	-7.94	32	6.088	4764.73	10
22.01	4805.085	2.061	-0.960	8.26	-6.45	-7.94	93	6.512	4805.08	15
16.01	4815.552	13.672	0.177	8.87	0.00	0.00	14	7.185	4815.55	16
24.01	4824.127	3.871	-1.085	8.41	-6.63	-7.85	244	8.252	4824.13	25
24.01	4836.229	3.858	-2.042	8.41	-6.63	-7.85	67	6.932	4836.23	21
24.01	4848.235	3.864	-1.280	8.41	-6.63	-7.85	199	8.227	4848.23	22
24.01	4884.607	3.858	-2.231	8.41	-6.63	-7.85	49	6.573	4884.61	24



26.01	5425.257	3.199	-3.390	8.47	-6.53	-7.89	113	9.549	5425.26	19
26.01	5427.826	6.724	-1.581	8.53	-6.50	-7.89	25	7.486	5427.83	24
24.01	5478.365	4.178	-1.968	8.41	-6.63	-7.84	43	6.34	5478.37	21
26.01	5482.261	3.635	-3.540	7.88	-6.09	-7.56	34	7.911	5482.31	17
24.01	5502.067	4.168	-2.117	8.41	-6.63	-7.84	42	6.457	5502.07	26
26.01	5506.195	10.522	0.859	8.92	-5.24	-7.57	84	8.788	5506.19	19
24.01	5508.606	4.156	-2.252	8.41	-6.63	-7.85	35	6.396	5508.61	469
26.01	5525.125	3.267	-4.102	8.56	-6.51	-7.88	21	7.862	5525.12	13
21.01	5526.790	1.768	0.024	8.33	-6.64	-7.87	30	3.473		
26.01	5534.847	3.245	-2.865	8.47	-6.51	-7.88	188	9.773	5534.85	14
26.01	5588.220	10.596	0.163	8.98	-5.78	-7.57	23	7.864	5588.22	34
26.01	5627.497	3.387	-4.188	8.47	-6.51	-7.88	21	8.025		
26.01	5643.880	7.653	-1.346	8.95	-5.71	-7.43	19	7.584	5643.88	8
26.01	5645.392	10.562	0.193	9.01	-5.10	-7.57	15	7.488	5645.39	28
11.00	5889.951	0.000	0.117	7.80	-5.64	-7.53	550	10.436		
11.00	5895.924	0.000	-0.184	7.80	-5.64	-7.53	390	10.387		
14.01	5978.930	10.074	0.004	8.82	-4.84	0.00	144	8.852	5978.93	14
26.01	6084.111	3.199	-3.881	8.56	-6.53	-7.89	34	8.011	6084.11	19
26.01	6103.496	6.217	-2.325	8.67	-6.52	-7.87	28	8.098	6103.50	6
26.01	6147.741	3.889	-2.827	8.51	-6.52	-7.87	137	9.657	6147.74	14
26.01	6149.258	3.889	-2.841	8.51	-6.52	-7.87	134	9.64	6149.26	14
26.01	6238.392	3.889	-2.754	8.51	-6.52	-7.87	144	9.652	6238.39	11
13.01	6243.367	13.077	0.670	0.00	-4.76	0.00	19	6.615	6243.37	15
26.01	6247.557	3.892	-2.435	8.51	-6.52	-7.87	232	9.901	6247.54	9
14.01	6347.109	8.121	0.297	9.09	-5.04	0.00	650	8.93	6347.11	2
14.01	6371.371	8.121	-0.003	9.08	-5.04	0.00	530	9.049	6371.37	6
26.01	6383.722	5.553	-2.414	8.56	-6.59	-7.77	44	8.309	6383.72	44
10.00	6402.246	16.619	0.360	0.00	0.00	0.00	16	8.336	6402.25	20
26.01	6416.919	3.892	-2.877	8.51	-6.52	-7.87	118	9.477	6416.92	17