

HD 213470 (A3 Ia)

1879.A3.

Te=8400K

log g = 1.50

VT=7.0

EW

Atom			log gf	grad	C4	C6	EW	VT=0.0 abund	VT=7.0 abund	
	8	5330.737	10.741	-0.984	7.55	-3.43	0	38.9	8.95	8.816
	12	4702.991	4.346	-0.666	8.72	-3.98	-6.69	49.4	7.794	7.574
	12	5183.604	2.717	-0.18	7.99	0	-7.27	229.4	9.35	7.089
	12	5528.405	4.346	-0.62	8.72	-4.46	-6.98	43.6	7.639	7.449
	12.01	4433.988	9.999	-0.91	0	-4.4	0	53.9	7.821	7.417
	14.01	4130.894	9.839	0.476	9.44	-4.87	0	214.6	8.187	7.408
	14.01	5041.024	10.067	0.291	9.03	-4.78	0	141.6	8.419	7.404
	14.01	5055.984	10.074	0.593	9.04	-4.78	0	216.4	8.644	7.643
	14.01	6371.371	8.121	-0.003	9.08	-5.04	0	344.7	8.714	7.938
	21.01	4246.822	0.315	0.242	8.16	-6.37	-7.91	215.1	4.85	2.452
	21.01	5526.79	1.768	0.024	8.33	-6.64	-7.87	83	3.853	2.872
	22.01	4163.644	2.59	-0.13	8.37	-6.62	-7.89	240.2	7.023	4.856
	22.01	4171.904	2.598	-0.29	8.37	-6.62	-7.89	186.8	6.893	4.688
	22.01	4287.872	1.08	-1.79	8.23	-6.55	-7.92	141.5	7.03	4.862
	22.01	4290.215	1.165	-0.85	8.46	-6.66	-7.91	247.6	6.659	4.592
	22.01	4294.094	1.084	-0.93	8.23	-6.54	-7.92	232.3	6.839	4.515
	22.01	4300.042	1.18	-0.44	8.47	-6.69	-7.91	355.8	6.593	4.997
	22.01	4301.914	1.161	-1.15	8.47	-6.68	-7.91	232.8	6.882	4.792
	22.01	4307.863	1.165	-1.07	8.47	-6.66	-7.91	225.4	6.768	4.667
	22.01	4316.794	2.048	-1.58	8.47	-6.58	-7.94	76	5.932	4.924
	22.01	4386.844	2.598	-0.96	8.5	-6.68	-7.91	127.8	6.846	5.006
	22.01	4394.051	1.221	-1.78	8.47	-6.6	-7.94	119.3	6.597	4.816
	22.01	4395.031	1.084	-0.54	8.21	-6.51	-7.92	333.7	6.796	4.831
	22.01	4411.072	3.095	-0.67	8.35	-6.54	-7.89	97	6.385	4.872
	22.01	4421.938	2.061	-1.66	8.41	-6.59	-7.94	33.7	4.805	4.582
	22.01	4443.794	1.08	-0.72	8.2	-6.51	-7.92	322	6.938	4.903
	22.01	4464.449	1.161	-1.81	8.22	-6.71	-7.93	130.2	6.913	4.859
	22.01	4468.507	1.131	-0.6	8.21	-6.72	-7.93	318.9	6.83	4.79
	22.01	4488.325	3.124	-0.51	8.34	-6.54	-7.89	120.7	6.745	4.87
	22.01	4501.27	1.116	-0.77	8.2	-6.73	-7.93	292.8	6.911	4.748
	22.01	4518.327	1.08	-2.91	8.43	-6.58	-7.92	38.9	5.482	5.21
	22.01	4563.757	1.221	-0.69	8.22	-6.71	-7.96	295.5	6.88	4.751
	22.01	4571.968	1.572	-0.32	8.37	-6.68	-7.89	361	6.798	5.122
	22.01	4779.985	2.048	-1.26	8.26	-6.45	-7.94	106.5	6.411	4.772
	22.01	4798.521	1.08	-2.68	8.28	-6.58	-7.92	36.6	5.175	4.931
	22.01	4805.085	2.061	-0.96	8.26	-6.45	-7.94	181.9	7.11	4.894
	22.01	4911.193	3.124	-0.61	8.31	-6.53	-7.89	99.5	6.303	4.821
	22.01	5072.281	3.124	-1.06	8.37	-6.54	-7.89	60.3	5.586	4.978
	22.01	5129.152	1.892	-1.24	8.36	-6.54	-7.91	117.8	6.382	4.691
	22.01	5185.902	1.893	-1.49	8.37	-6.53	-7.91	110.3	6.47	4.896
	22.01	5188.68	1.582	-1.05	8.23	-6.66	-7.95	180.1	6.801	4.612
	22.01	5336.771	1.582	-1.59	8.21	-6.72	-7.95	95.7	6.029	4.683
	22.01	5381.015	1.566	-1.92	8.2	-6.73	-7.96	34.1	4.672	4.454

22.01	5418.751	1.582	-2	8.2	-6.73	-7.95	45	5.019	4.68
23.01	4023.378	1.805	-0.689	8.36	-6.64	-7.98	106	5.793	3.977
23.01	4035.622	1.793	-0.767	8.36	-6.64	-7.98	107.6	5.892	4.055
24	4600.096	2.544	-1.18	6.78	-6.25	-7.78	32.7	8.259	8.019
24	5208.425	0.941	0.158	7.72	-6.15	-7.6	40	5.967	5.646
24.01	4037.972	6.487	-0.679	8.65	-6.62	-7.77	19.2	5.488	5.359
24.01	4051.93	3.104	-2.331	8.41	-6.72	-7.79	110	7.622	5.774
24.01	4145.781	5.319	-1.106	8.46	-6.64	-7.86	102.4	7.643	5.947
24.01	4261.913	3.864	-1.56	8.41	-6.66	-7.83	158.1	7.894	5.778
24.01	4269.277	3.854	-2.201	8.41	-6.65	-7.83	68.7	6.771	5.839
24.01	4275.567	3.858	-1.736	8.41	-6.65	-7.84	123	7.674	5.745
24.01	4284.188	3.854	-1.897	8.41	-6.65	-7.84	125.8	7.868	5.919
24.01	4554.988	4.071	-1.491	8.41	-6.64	-7.76	152.3	7.853	5.799
24.01	4558.65	4.073	-0.662	8.41	-6.64	-7.76	333	7.879	6.186
24.01	4565.739	4.042	-1.982	8.41	-6.72	-7.77	88.6	7.251	5.882
24.01	4588.199	4.071	-0.845	8.41	-6.66	-7.76	292.5	7.933	6.053
24.01	4592.049	4.074	-1.473	8.41	-6.66	-7.77	146.7	7.775	5.751
24.01	4616.629	4.072	-1.576	8.41	-6.65	-7.77	144.3	7.846	5.837
24.01	4618.803	4.074	-1.084	8.41	-6.65	-7.77	242	7.983	5.934
24.01	4634.07	4.072	-1.236	8.41	-6.65	-7.77	212.8	7.991	5.897
24.01	4812.337	3.864	-2.125	8.41	-6.63	-7.85	76.3	6.867	5.813
24.01	4824.127	3.871	-1.085	8.41	-6.63	-7.85	207.7	7.647	5.571
24.01	4836.229	3.858	-2.042	8.41	-6.63	-7.85	91.5	7.222	5.836
24.01	4884.607	3.858	-2.231	8.41	-6.63	-7.85	46.1	6.061	5.644
24.01	4901.623	6.487	-1.141	8.46	-6.79	-7.77	35.7	6.444	6.132
24.01	5237.329	4.073	-1.35	8.41	-6.64	-7.78	114.5	7.117	5.431
24.01	5274.964	4.071	-1.559	8.41	-6.64	-7.78	141.6	7.694	5.797
24.01	5308.408	4.071	-2.058	8.41	-6.64	-7.78	70.5	6.732	5.837
24.01	5310.686	4.072	-2.408	8.41	-6.64	-7.78	23.6	5.786	5.634
24.01	5313.563	4.074	-1.779	8.41	-6.64	-7.78	79.2	6.711	5.627
24.01	5334.869	4.072	-1.826	8.41	-6.64	-7.78	102.5	7.349	5.832
24.01	5407.604	3.827	-2.459	8.37	-6.65	-7.86	43.1	6.181	5.813
24.01	5420.922	3.758	-2.558	8.32	-6.65	-7.86	43.9	6.256	5.875
24.01	5478.365	4.178	-1.968	8.41	-6.63	-7.84	62	6.462	5.749
24.01	5502.067	4.168	-2.117	8.41	-6.63	-7.84	63	6.634	5.901
24.01	5508.606	4.156	-2.252	8.41	-6.63	-7.85	55.1	6.531	5.955
24.01	6053.466	4.745	-2.219	8.41	-6.63	-7.83	24	6.085	5.919
25.01	4738.29	5.38	-1.876	8.42	-6.63	-7.94	24.6	6.088	5.91
25.01	4755.727	5.397	-1.242	8.42	-6.63	-7.94	36.4	5.794	5.478
26	4071.738	1.608	-0.022	8.07	-6.24	-7.62	127.8	9.266	6.93
26	4134.677	2.831	-0.649	8.2	-5.85	-7.66	18.1	7.451	7.336
26	4181.755	2.831	-0.371	8.05	-6.03	-7.66	13.4	6.997	6.916
26	4260.474	2.399	0.109	8.17	-5.41	-7.27	102.9	9.086	7.173
26	4383.545	1.485	0.2	8.01	-6.08	-7.67	152.7	9.207	6.73
26	4404.75	1.557	-0.142	8.05	-6.06	-7.66	135	9.352	7.021
26	4890.755	2.875	-0.394	8.18	-5.41	-7.26	19.3	7.218	7.097
26	4891.492	2.851	-0.112	8.18	-5.41	-7.26	49	7.755	7.248
26	4903.31	2.882	-0.926	8.18	-5.41	-7.26	20.1	7.779	7.651

26	4918.994	2.865	-0.342	8.18	-5.41	-7.26	23.4	7.28	7.125
26	5266.555	2.998	-0.386	8.18	-5.41	-7.27	18.5	7.257	7.141
26	5324.179	3.211	-0.103	8.04	-5.41	-7.24	36	7.613	7.318
26	5383.369	4.312	0.645	8.3	-4.93	-7.22	75.1	8.826	7.706
26	5615.644	3.332	0.05	8.06	-5.41	-7.23	34.6	7.506	7.226
26.01	4057.461	7.274	-1.68	8.55	-6.51	-7.88	50	8.497	7.82
26.01	4063.548	10.596	-7.45	8.88	-5.75	-7.63	155.7	17.976	16.849
26.01	4173.461	2.583	-2.617	8.56	-6.54	-7.88	335.7	9.392	7.851
26.01	4177.692	2.544	-3.449	8.56	-6.6	-7.8	203	9.71	7.679
26.01	4273.326	2.704	-3.303	8.56	-6.53	-7.87	144.1	9.236	7.286
26.01	4278.159	2.692	-3.951	8.47	-6.53	-7.88	94.4	9.181	7.622
26.01	4296.572	2.704	-2.933	8.47	-6.53	-7.88	244.1	9.549	7.528
26.01	4357.584	6.088	-2.01	8.64	-6.53	-7.87	64.9	8.547	7.619
26.01	4369.411	2.778	-3.584	8.47	-6.53	-7.88	119.5	9.327	7.468
26.01	4385.387	2.778	-2.582	8.56	-6.53	-7.88	297.2	9.332	7.598
26.01	4413.601	2.676	-4.185	8.47	-6.53	-7.89	66.2	8.523	7.631
26.01	4416.83	2.778	-2.602	8.56	-6.53	-7.88	276.1	9.275	7.454
26.01	4451.551	6.138	-1.907	8.66	-6.53	-7.86	83.2	8.983	7.7
26.01	4455.266	6.226	-2	8.56	-6.52	-7.87	62	8.533	7.663
26.01	4472.929	2.844	-3.531	8.47	-6.53	-7.88	133.9	9.483	7.539
26.01	4489.183	2.828	-2.971	8.47	-6.53	-7.88	236.9	9.604	7.582
26.01	4491.405	2.856	-2.756	8.47	-6.53	-7.88	266.4	9.522	7.586
26.01	4493.529	7.92	-1.562	9.01	-5.67	-7.52	33.7	8.273	7.896
26.01	4508.288	2.856	-2.349	8.56	-6.53	-7.87	356.8	9.3	7.854
26.01	4515.339	2.844	-2.54	8.47	-6.53	-7.88	336.1	9.515	7.879
26.01	4520.224	2.807	-2.617	8.47	-6.53	-7.88	240.9	9.247	7.236
26.01	4522.634	2.844	-2.169	8.56	-6.53	-7.88	304.1	8.96	7.257
26.01	4541.524	2.856	-2.973	8.56	-6.53	-7.88	225.3	9.478	7.523
26.01	4555.893	2.828	-2.421	8.47	-6.53	-7.88	367	9.461	7.983
26.01	4576.34	2.844	-2.976	8.56	-6.53	-7.88	194	9.303	7.325
26.01	4598.494	7.804	-1.536	9	-5.82	-7.55	23	7.848	7.618
26.01	4620.521	2.828	-3.315	8.56	-6.53	-7.88	152	9.331	7.411
26.01	4625.893	5.956	-2.549	8.62	-6.58	-7.78	32.3	8.011	7.705
26.01	4635.316	5.956	-1.578	8.64	-6.56	-7.78	119.4	9.208	7.528
26.01	4638.05	7.708	-1.536	9	-5.82	-7.56	28.8	7.981	7.68
26.01	4648.944	2.583	-4.565	8.56	-6.54	-7.89	40.6	8.036	7.687
26.01	4666.758	2.828	-3.368	8.47	-6.53	-7.89	144.2	9.383	7.419
26.01	4731.453	2.891	-3.127	8.56	-6.5	-7.88	179.4	9.366	7.418
26.01	4923.927	2.891	-1.504	8.52	-6.5	-7.88	576	8.905	8.322
26.01	4951.584	10.308	0.211	8.97	-5.15	-7.57	24.4	7.72	7.376
26.01	4953.987	5.571	-2.815	8.51	-6.52	-7.89	27.2	7.9	7.667
26.01	4977.035	10.36	-0.039	8.99	-5.17	-7.57	26.4	8.078	7.702
26.01	4993.358	2.807	-3.684	8.51	-6.53	-7.89	110.6	9.157	7.518
26.01	5004.195	10.273	0.504	8.96	-5.14	-7.57	39.5	7.917	7.347
26.01	5004.208	10.348	-1.194	9.01	-5.35	-7.57	39.5	9.656	9.087
26.01	5018.44	2.891	-1.345	8.52	-6.5	-7.89	618	8.799	8.306
26.01	5070.899	10.308	0.268	8.99	-5.03	-7.57	27.1	7.782	7.399
26.01	5075.764	10.455	0.184	8.94	-5.11	-7.57	26.8	7.95	7.561
26.01	5120.352	2.828	-4.256	8.56	-6.53	-7.89	3	6.364	6.348
26.01	5132.669	2.807	-4.094	8.56	-6.53	-7.89	43.7	7.79	7.398
26.01	5169.033	2.891	-1.25	8.51	-6.5	-7.89	652	8.746	8.307
26.01	5197.577	3.23	-2.348	8.47	-6.53	-7.88	43.5	6.333	5.932
26.01	5234.625	3.221	-2.279	8.47	-6.53	-7.88	357.9	9.474	7.95
26.01	5254.929	3.23	-3.336	8.47	-6.53	-7.88	128	9.351	7.562
26.01	5260.259	10.419	1.088	8.94	-5.17	-7.57	79.3	8.456	7.385
26.01	5272.397	5.956	-2.009	8.63	-6.55	-7.78	64.3	8.438	7.58

26.01	5276.002	3.199	-2.213	8.47	-6.53	-7.88	370	9.42	7.951
26.01	5284.109	2.891	-3.195	8.56	-6.5	-7.89	184.5	9.396	7.509
26.01	5291.666	10.48	0.544	8.96	-5.26	-7.57	31.4	7.807	7.348
26.01	5325.553	3.221	-3.324	8.47	-6.53	-7.88	147.7	9.547	7.659
26.01	5362.869	3.199	-2.616	8.56	-6.53	-7.88	237.7	9.301	7.455
26.01	5387.063	10.522	0.499	8.92	-5.17	-7.57	54.7	8.581	7.787
26.01	5408.811	5.956	-2.656	8.67	-6.58	-7.8	16	7.65	7.525
26.01	5425.257	3.199	-3.39	8.47	-6.53	-7.89	25.2	6.867	6.69
26.01	5427.826	6.724	-1.581	8.53	-6.5	-7.89	28	7.476	7.199
26.01	5432.967	3.267	-3.527	8.47	-6.51	-7.88	85.9	8.758	7.514
26.01	5482.308	10.562	0.413	8.94	-5.26	-7.57	31	8.016	7.559
26.01	5506.195	10.522	0.859	8.92	-5.24	-7.57	57	8.302	7.481
26.01	5534.847	3.245	-2.865	8.47	-6.51	-7.88	162.5	9.212	7.303
26.01	5627.497	3.387	-4.188	8.47	-6.51	-7.88	34.4	8.048	7.768
26.01	6060.975	7.804	-1.689	8.91	-5.71	-7.43	33.8	8.524	8.147
26.01	6084.111	3.199	-3.881	8.56	-6.53	-7.89	42.1	7.829	7.448
26.01	6103.496	6.217	-2.325	8.67	-6.52	-7.87	22.3	7.771	7.574
26.01	6147.741	3.889	-2.827	8.51	-6.52	-7.87	125.7	9.175	7.519
26.01	6149.258	3.889	-2.841	8.51	-6.52	-7.87	127.9	9.216	7.546
26.01	6238.392	3.889	-2.754	8.51	-6.52	-7.87	160.7	9.451	7.656
26.01	6369.462	2.891	-4.231	8.49	-6.5	-7.9	54.1	8.306	7.725
26.01	6383.722	5.553	-2.414	8.56	-6.59	-7.77	70	8.815	7.858
26.01	6385.451	5.553	-2.715	8.56	-6.48	-7.77	33.2	8.069	7.752
26.01	6416.919	3.892	-2.877	8.51	-6.52	-7.87	119.7	9.14	7.547
26.01	6432.68	10.93	-1.236	8.95	-5.54	-7.57	81.7	11.336	10.292
26.01	6432.68	2.891	-3.687	8.49	-6.5	-7.9	81.7	8.517	7.414
26.01	6446.41	6.223	-2.082	8.64	-6.52	-7.87	59.5	8.648	7.879
28.01	4015.474	4.032	-2.424	8.82	-6.63	-7.94	85	7.605	6.297
28.01	4067.031	4.029	-1.835	8.65	-6.62	-7.94	121.1	7.753	5.959
28.01	4362.099	4.029	-2.723	8.59	-6.64	-7.94	76.6	7.727	6.535
38.01	4215.519	0	-0.145	0	0	-7.71	80.8	3.599	1.696
39.01	4900.12	1.033	-0.09	0	0	0	42.3	2.829	2.262
40.01	3998.954	0.559	-0.52	0	0	0	57	3.973	2.753
56.01	4554.029	0	0.17	0	0	-7.65	65.3	3.791	1.937
56.01	4934.076	0	-0.15	0	0	-7.65	56	3.628	2.148
59.02	5208.507	0.552	-1.14	0	0	0	43.6	3.843	2.934