		Te=5800K	log g = 2.1	**Delta Cep**																
		1995.000	12.000	10.000					VT=	VT=	VT=	VT=	VT=	VT=	VT=	VT=	VT=	VT=	VT=	
	Delta Cep			**VALD**					**0.0 km/**	**1.00**	**2.00**	**3.00**	**4.00**	**5.00**	**6.00**	**7.00**	**8.00**	**9.00**	**10.00**	**Rem**
	6.00	5052.167	7.685	−1.648	0.00	−4.51	0.00	74.0	8.80	8.75	8.66	8.57	8.49	8.43	8.39	8.35	8.33	8.30	8.29	
	6.00	5380.337	7.685	−1.842	0.00	−4.66	0.00	60.0	8.77	8.74	8.66	8.59	8.53	8.49	8.45	8.43	8.41	8.39	8.38	
	6.00	6014.830	8.643	−1.585	0.00	0.00	0.00	16.0	8.33	8.37	8.37	8.35	8.34	8.33	8.32	8.31	8.30	8.30	8.30	
	6.00	6587.610	8.537	−1.596	0.00	−4.00	0.00	37.0	8.89	8.87	8.83	8.79	8.76	8.73	8.71	8.69	8.67	8.66	8.65	
	6.00	6655.517	8.537	−1.370	0.00	0.00	0.00	10.5	7.80	7.84	7.86	**7.85**	7.84	7.83	7.82	7.82	7.82	7.81	7.81	
				8.550					**8.52**	**8.51**	**8.47**	**8.43**	**8.39**	**8.36**	**8.34**	**8.32**	**8.31**	**8.29**	**8.28**	
	11.00	4668.559	2.104	−1.300	0.00	0.00	0.00	72.0	6.98	6.87	6.70	6.58	6.51	6.47	6.44	6.41	6.40	6.39	6.38	**
	11.00	5688.205	2.104	−0.450	0.00	0.00	−6.86	194.0			syn	**6.83**								
	11.00	5889.951	0.000	0.117	7.80	−5.64	−7.53	550.0	6.95	6.94	6.90	6.81	6.67	6.45	6.13	5.74	5.39	5.11	4.89	core−wing
	11.00	5895.924	0.000	−0.184	7.80	−5.64	−7.53	465.0	7.09	7.07	7.00	6.89	6.66	6.31	5.88	5.50	5.21	4.99	4.82	core−wing
	11.00	6154.226	2.102	−1.560	7.85	−4.39	0.00	57.0	6.86	6.79	6.68	6.61	6.56	6.53	6.51	6.50	6.48	6.48	6.47	
	11.00	6160.747	2.104	−1.260	7.85	−4.39	0.00	88.0	7.19	7.04	6.81	6.66	6.56	6.51	6.47	6.44	6.42	6.41	6.40	bl
				6.330					**7.02**	**6.94**	**6.82**	**6.73**	**6.59**	**6.45**	**6.28**	**6.12**	**5.98**	**5.87**	**5.79**	
	12.00	4167.271	4.346	−1.004	8.71	0.00	0.00	182.0	8.29	8.24	8.04	7.72	7.39	7.15	6.99	6.89	6.82	6.77	6.74	
syn	12.00	4571.096	0.000	−5.691	2.34	0.00	−6.97	165.0			syn	7.68								
	12.00	4702.991	4.346	−0.666	8.72	−3.98	−6.69	225.0	8.09	8.04	7.92	7.68	7.37	7.10	6.89	6.75	6.66	6.59	6.54	syn
	12.00	5172.684	2.712	−0.402	7.99	0.00	−7.27	440.0	7.66	7.65	7.60	7.49	7.31	7.01	6.62	6.25	5.95	5.72	5.54	
	12.00	5183.604	2.717	−0.180	7.99	0.00	−7.27	500.0	7.56	7.55	7.52	7.43	7.31	7.10	6.79	6.43	6.09	5.82	5.60	**
	12.00	5528.405	4.346	−0.620	8.72	−4.46	−6.98	260.0	8.27	8.23	8.11	7.87	7.56	7.25	7.02	6.85	6.73	6.65	6.59	
	12.00	5711.088	4.346	−1.833	8.71	0.00	0.00	124.0	8.50	8.33	7.98	7.69	7.52	7.42	7.35	7.31	7.28	7.25	7.24	
	12.00	6318.717	5.108	−1.730	0.00	0.00	0.00	68.0	8.05	7.94	7.79	7.68	7.62	7.58	7.55	7.53	7.52	7.50	7.49	broad
				7.580					**8.06**	**8.00**	**7.85**	**7.66**	**7.44**	**7.23**	**7.03**	**6.86**	**6.72**	**6.62**	**6.53**	
	13.00	6696.023	3.143	−1.347	8.48	−4.35	0.00	56.0	6.83	6.75	6.63	6.55	6.51	6.47	6.45	6.44	6.43	6.42	6.41	Al 3 lines
	13.00	6698.673	3.143	−1.647	8.48	−4.35	0.00	27.0	6.51	6.49	6.45	6.42	6.40	6.39	6.38	6.37	6.37	6.36	6.36	bl
				6.470					**6.67**	**6.62**	**6.54**	**6.49**	**6.45**	**6.43**	**6.42**	**6.41**	**6.40**	**6.39**	**6.38**	
	14.00	4947.607	5.082	−1.760	8.61	−3.46	−7.06	35.0	7.42	7.38	7.33	7.29	7.26	7.25	7.23	7.22	7.22	7.21	7.21	
	14.00	5488.983	5.614	−2.299	7.86	−2.42	−6.86	36.0	8.37	8.35	8.32	8.29	8.27	8.26	8.25	8.25	8.24	8.24	8.23	
	14.00	5517.533	5.082	−2.611	8.63	−4.46	−7.32	26.0	8.06	8.03	7.99	7.96	7.94	7.93	7.92	7.92	7.91	7.91	7.91	
	14.00	5645.613	4.930	−2.140	8.54	−4.56	−7.29	60.0	8.19	8.08	7.94	7.85	7.79	7.76	7.74	7.72	7.71	7.70	7.69	
	14.00	5666.677	5.616	−1.795	7.87	−3.14	−6.98	40.0	8.02	7.98	7.92	7.87	7.84	7.83	7.81	7.80	7.79	7.79	7.78	
	14.00	5690.425	4.930	−1.870	8.54	−4.57	−7.30	79.0	8.34	8.17	7.94	7.79	7.71	7.66	7.63	7.60	7.59	7.57	7.56	
	14.00	5701.104	4.930	−2.050	8.54	−4.74	−7.29	59.0	8.07	7.97	7.83	7.74	7.69	7.66	7.64	7.62	7.61	7.60	7.59	
	14.00	5772.146	5.082	−1.750	8.62	−4.12	−7.23	81.0	8.37	8.22	7.98	7.83	7.75	7.70	7.66	7.64	7.62	7.61	7.59	
	14.00	5810.768	5.863	−1.469	7.55	−2.80	−6.68	15.0	7.28	7.28	7.26	**7.25**	7.24	7.24	7.24	7.23	7.23	7.23	7.23	
	14.00	5948.541	5.082	−1.230	8.61	−4.45	−7.26	120.0	8.58	8.40	8.03	7.74	7.57	7.47	7.41	7.36	7.33	7.31	7.29	
	14.00	6076.925	5.964	−1.975	7.51	−3.06	−6.69	28.0	8.25	8.22	8.19	8.16	8.15	8.13	8.12	8.12	8.11	8.11	8.11	
	14.00	6091.919	5.871	−1.470	7.89	−2.76	−6.87	**53.0**	8.10	8.05	7.98	7.93	7.90	7.87	7.85	7.84	7.83	7.83	7.82	Si mistery
	14.00	6125.021	5.614	−1.464	7.90	−4.06	−7.13	54.0	8.02	7.93	7.81	7.73	7.68	7.65	7.63	7.61	7.60	7.59	7.59	
	14.00	6142.483	5.619	−1.295	7.89	−3.57	−7.13	51.0	7.76	7.69	7.59	7.52	7.48	7.45	7.43	7.42	7.41	7.40	7.39	
	14.00	6145.016	5.616	−1.310	7.91	−3.63	−7.13	56.0	7.88	7.80	7.68	7.60	7.55	7.52	7.50	7.48	7.47	7.46	7.45	
	14.00	6155.134	5.619	−0.754	7.90	−3.16	−7.13	111.0	8.17	8.06	7.82	7.62	7.50	7.42	7.37	7.33	7.30	7.28	7.27	
	14.00	6237.319	5.614	−0.975	7.91	−2.72	−7.13	84.0	7.82	7.75	7.62	7.52	7.45	7.41	7.38	7.36	7.34	7.33	7.32	
	14.00	6243.815	5.616	−1.242	7.91	−3.50	−7.13	70.0	8.08	7.97	7.80	7.69	7.62	7.58	7.55	7.53	7.52	7.50	7.49	
	14.00	6244.466	5.616	−1.093	7.91	−3.49	−7.13	64.0	7.81	7.71	7.57	7.47	7.41	7.38	7.35	7.33	7.32	7.31	7.30	
	14.00	6308.825	5.863	−1.792	7.38	−3.51	−6.92	10.5	7.43	7.42	7.41	7.40	7.39	7.39	7.39	7.38	7.38	7.38	7.38	
	14.00	6394.235	5.871	−1.843	7.90	−2.56	−6.98	16.0	7.68	7.67	7.66	7.65	7.64	7.63	7.63	7.62	7.62	7.62	7.62	
	14.00	6408.671	5.984	−1.540	7.46	−3.48	−6.82	22.0	7.69	7.67	7.64	7.62	7.60	7.59	7.58	7.58	7.57	7.57	7.57	
	14.00	6414.980	5.871	−1.035	7.91	−3.14	−6.98	67.0	7.97	7.89	7.76	7.67	7.61	7.57	7.55	7.53	7.52	7.50	7.50	
	14.00	6555.463	5.984	−1.166	7.35	−3.35	−6.89	43.0	7.84	7.79	7.71	7.66	7.62	7.60	7.58	7.57	7.56	7.55	7.55	***
	14.00	6721.848	5.863	−1.516	7.38	−3.10	−7.02	63.0	8.36	8.28	8.17	**8.08**	8.03	8.00	7.98	7.96	7.95	7.94	7.93	
				7.550					**7.98**	**7.91**	**7.80**	**7.72**	**7.67**	**7.64**	**7.62**	**7.60**	**7.59**	**7.58**	**7.57**	
	14.01	6371.371	8.121	−0.003	9.08	−5.04	0.00	120.0	8.28	8.19	7.97	7.74	7.57	7.45	7.36	7.30	7.25	7.21	7.17	***
				7.550					**8.28**	**8.19**	**7.97**	**7.74**	**7.57**	**7.45**	**7.36**	**7.30**	**7.25**	**7.21**	**7.17**	
	16.00	4696.252	6.525	−2.140	6.76	−4.41	0.00	24.0	7.49	7.45	7.39	7.36	7.33	7.32	7.31	7.30	7.29	7.29	7.28	
syn	16.00	6757.007	7.870	−0.900				**77.0**			syn	**7.48**								
				7.330					**7.49**	**7.45**	**7.39**	**7.42**	**7.33**	**7.32**	**7.31**	**7.30**	**7.29**	**7.29**	**7.28**	
	20.00	4283.011	1.886	−0.292	8.17	−6.00	−7.80	165.0	7.53	7.42	6.93	6.22	5.75	5.50	5.36	5.27	5.21	5.17	5.14	
	20.00	4425.437	1.879	−0.358	8.02	−5.61	−7.43	180.0	7.64	7.55	7.15	6.47	5.96	5.67	5.50	5.40	5.34	5.29	5.25	
	20.00	4526.928	2.709	−0.548	7.45	−4.21	−7.17	105.0	7.50	7.23	6.66	6.30	6.12	6.03	5.97	5.94	5.91	5.89	5.87	syn
	20.00	4578.551	2.521	−0.697	7.73	−5.37	−7.19	107.0	7.67	7.34	6.68	6.29	6.11	6.01	5.96	5.92	5.89	5.87	5.85	
	20.00	5349.465	2.709	−0.310	6.43	−5.89	−7.65	139.0	8.22	7.86	7.01	6.44	6.16	6.00	5.92	5.86	5.82	5.79	5.77	
	20.00	5512.980	2.933	−0.464	8.45	−4.05	−7.32	113.0	7.44	7.23	6.77	6.44	6.26	6.17	6.11	6.07	6.04	6.02	6.00	
syn	20.00	5588.749	2.526	0.358	7.85	−6.07	−7.63	230.0			syn	6.36								
	20.00	5590.114	2.521	−0.571	7.85	−6.07	−7.63	128.0	7.84	7.51	6.80	6.34	6.11	5.99	5.91	5.86	5.83	5.81	5.79	
	20.00	5867.562	2.933	−1.570	8.42	−4.70	−7.46	31.0	6.67	6.61	6.54	6.50	6.48	6.46	6.45	6.45	6.44	6.43	6.43	+0.4 dex
	20.00	6102.723	1.879	−0.793	7.86	−5.32	−7.19	182.0	7.72	7.58	7.13	6.55	6.16	5.94	5.80	5.72	5.66	5.62	5.59	
	20.00	6122.217	1.886	−0.316	7.86	−5.32	−7.19	232.0	7.54	7.47	7.20	6.69	6.19	5.85	5.64	5.51	5.42	5.35	5.31	
	20.00	6161.297	2.523	−1.266	7.27	−4.99	−7.26	85.0	7.42	7.09	6.69	6.49	6.39	6.33	6.29	6.27	6.25	6.23	6.22	
	20.00	6162.173	1.899	−0.090	7.86	−5.32	−7.19	272.0	7.50	7.44	7.25	6.87	6.37	5.96	5.69	5.51	5.39	5.30	5.24	
	20.00	6166.439	2.521	−1.142	7.27	−5.00	−7.26	87.0	7.35	7.01	6.59	6.38	6.28	6.22	6.18	6.15	6.14	6.12	6.11	
	20.00	6169.042	2.523	−0.797	7.30	−5.00	−7.26	126.0	7.85	7.54	6.90	6.49	6.28	6.17	6.10	6.05	6.02	6.00	5.98	
	20.00	6169.563	2.526	−0.478	7.27	−4.99	−7.26	142.0	7.76	7.51	6.87	6.37	6.11	5.96	5.88	5.82	5.79	5.76	5.73	bl

	20.00	6439.075	2.526	0.390	7.65	−6.07	−7.70	238.0	7.79	7.70	7.36	6.72	6.17	5.81	5.59	5.45	5.35	5.28	5.23	
	20.00	6449.808	2.521	−0.502	7.67	−6.07	−7.65	160.0	8.09	7.85	7.17	6.60	6.27	6.10	5.99	5.92	5.88	5.84	5.82	
	20.00	6471.662	2.526	−0.686	7.64	−6.07	−7.70	140.0	8.06	7.73	7.01	6.53	6.28	6.14	6.06	6.01	5.97	5.94	5.92	
	20.00	6493.781	2.521	−0.109	7.64	−6.07	−7.70	195.0	8.03	7.87	7.33	6.65	6.22	5.96	5.81	5.71	5.64	5.60	5.56	
	20.00	6499.650	2.523	−0.818	7.64	−6.07	−7.70	128.0	7.99	7.62	6.93	6.51	6.30	6.18	6.11	6.07	6.03	6.01	5.99	
				6.360					**7.68**	**7.46**	**6.95**	**6.49**	**6.20**	**6.02**	**5.92**	**5.85**	**5.80**	**5.77**	**5.74**	
syn	21.01	4246.822			0.315	0.242	29	350.0			syn=	3.37								取り違え、syn
	21.01	4415.557	0.595	−0.668	8.25	−6.68	−7.92	231.0	4.40	4.34	4.13	3.63	2.99	2.56	2.29	2.14	2.04	1.97	1.92	
syn	21.01	5031.021	1.357	−0.400	8.12	−6.71	−7.90	**234.0**			syn=	3.67								
	21.01	5239.813	1.455	−0.765	8.12	−6.37	−7.87	177.0	4.93	4.78	4.23	3.54	3.13	2.91	2.78	2.70	2.65	2.61	2.58	
	21.01	5334.240	1.497	−2.203	8.12	−6.74	−7.90	39.0	3.58	3.48	3.38	3.32	3.29	3.28	3.26	3.25	3.25	3.24	3.24	
	21.01	5526.790	1.768	0.024	8.33	−6.64	−7.87	238.0	4.57	4.50	4.26	3.76	3.23	2.88	2.65	2.51	2.42	2.36	2.31	
	21.01	5552.224	1.455	−2.119	8.16	−6.48	−7.87	44.0	3.56	3.44	3.32	3.26	3.22	3.20	3.19	3.18	3.17	3.16	3.16	
	21.01	5641.001	1.500	−1.131	8.17	−6.60	−7.93	168.0	5.16	4.98	4.37	3.75	3.40	3.21	3.10	3.04	2.99	2.96	2.93	
	21.01	5667.149	1.500	−1.309	8.16	−6.60	−7.93	146.0	5.12	4.87	4.17	3.65	3.38	3.24	3.15	3.10	3.07	3.04	3.02	
	21.01	5684.202	1.507	−1.074	8.16	−6.60	−7.93	161.0	5.05	4.85	4.19	3.60	3.28	3.11	3.01	2.95	2.91	2.88	2.85	
	21.01	6245.637	1.507	−1.030	8.36	−6.72	−7.89	150.0	4.63	4.41	3.82	3.34	3.08	2.95	2.86	2.81	2.77	2.75	2.73	
	21.01	6300.698	1.507	−1.887	8.36	−6.73	−7.89	59.0	3.69	3.50	3.31	3.21	3.16	3.13	3.11	3.10	3.09	3.08	3.07	**
	21.01	6309.920	1.497	−1.630	8.36	−6.73	−7.90	102.0	4.49	4.15	3.65	3.40	3.28	3.21	3.17	3.14	3.12	3.10	3.09	
	21.01	6320.851	1.500	−1.819	8.36	−6.73	−7.89	71.0	3.93	3.67	3.40	3.27	3.20	3.16	3.14	3.12	3.11	3.10	3.09	
				3.170					**4.43**	**4.25**	**3.85**	**3.49**	**3.22**	**3.07**	**2.98**	**2.92**	**2.88**	**2.85**	**2.83**	
	22.00	4186.117	1.502	−0.305	7.89	−6.14	−7.66	63.0	6.00	5.62	5.27	5.13	5.06	5.02	5.00	4.98	4.97	4.96	4.95	
	22.00	4512.734	0.836	−0.480	8.08	−5.14	−7.59	99.0	6.54	6.10	5.38	5.04	4.89	4.82	4.77	4.74	4.72	4.70	4.69	
	22.00	4617.269	1.749	0.389	8.02	−6.08	−7.63	77.0	5.92	5.47	4.99	4.79	4.70	4.65	4.62	4.60	4.58	4.57	4.56	bl
	22.00	4623.097	1.739	0.110	8.02	−6.08	−7.63	66.0	5.79	5.42	5.08	4.93	4.86	4.82	4.80	4.78	4.77	4.76	4.75	bl
	22.00	4758.118	2.249	0.425	8.03	−6.21	−7.62	52.0	5.46	5.23	5.02	4.93	4.88	4.85	4.83	4.82	4.81	4.80	4.79	
	22.00	4759.270	2.256	0.514	8.03	−6.19	−7.62	56.0	5.51	5.24	5.00	4.90	4.84	4.81	4.79	4.77	4.76	4.76	4.75	
	22.00	4778.255	2.236	−0.220	8.24	−5.98	−7.55	16.0	4.99	4.96	4.93	4.91	4.90	4.89	4.89	4.88	4.88	4.88	4.87	
	22.00	4840.874	0.900	−0.509	7.45	−6.20	−7.70	96.0	6.64	6.06	5.36	5.06	4.92	4.86	4.81	4.78	4.76	4.75	4.74	below
	22.00	4913.614	1.873	0.160	7.82	−5.81	−7.62	69.0	5.93	5.54	5.18	5.02	4.95	4.91	4.88	4.86	4.85	4.84	4.83	
	22.00	4975.342	2.506	−0.001	8.21	−6.19	−7.82	44.0	5.85	5.70	5.55	5.48	5.44	5.42	5.40	5.39	5.38	5.38	5.37	
	22.00	5016.161	0.848	−0.574	7.89	−6.17	−7.63	94.0	6.43	5.93	5.30	5.02	4.90	4.84	4.80	4.77	4.75	4.73	4.72	*
	22.00	5024.844	0.818	−0.602	7.88	−6.17	−7.64	97.0	6.51	6.01	5.35	5.05	4.92	4.86	4.81	4.79	4.77	4.75	4.74	
	22.00	5039.957	0.021	−1.130	6.88	−6.35	−7.72	125.0	7.14	6.60	5.61	5.11	4.90	4.79	4.73	4.68	4.66	4.64	4.62	
	22.00	5043.584	0.836	−1.733	7.89	−6.17	−7.63	25.0	5.41	5.36	5.30	5.27	5.26	5.25	5.24	5.23	5.23	5.23	5.22	clean
	22.00	5045.415	0.848	−1.998	7.89	−6.17	−7.63	14.0	5.33	5.31	5.28	5.26	5.25	5.25	5.25	5.24	5.24	5.24	5.23	
	22.00	5064.653	0.048	−0.991	6.85	−6.33	−7.72	130.0	7.12	6.62	5.60	5.06	4.82	4.71	4.64	4.60	4.57	4.54	4.53	
	22.00	5113.440	1.443	−0.783	7.33	−6.12	−7.66	30.0	5.19	5.12	5.05	5.01	4.99	4.97	4.96	4.95	4.95	4.95	4.94	
	22.00	5145.460	1.460	−0.574	7.37	−6.13	−7.66	40.0	5.27	5.15	5.03	4.97	4.94	4.92	4.91	4.90	4.89	4.89	4.88	*** ??
	22.00	5210.385	0.048	−0.884	6.81	−6.31	−7.72	140.0	7.13	6.69	5.65	5.06	4.79	4.65	4.58	4.53	4.50	4.47	4.45	
	22.00	5219.702	0.021	−2.292	6.82	−6.32	−7.73	34.0	5.39	5.30	5.22	5.18	5.15	5.14	5.13	5.12	5.11	5.11	5.11	
	22.00	5282.376	1.053	−1.300	6.75	−6.21	−7.69	24.0	5.15	5.10	5.04	5.02	5.00	4.99	4.98	4.98	4.97	4.97	4.97	
	22.00	5295.775	1.067	−1.633	6.69	−6.21	−7.69	21.0	5.40	5.36	5.32	5.29	5.28	5.27	5.26	5.26	5.26	5.25	5.25	
	22.00	5338.305	0.826	−1.870	7.81	−6.19	−7.64	25.0	5.51	5.46	5.41	5.38	5.36	5.35	5.34	5.34	5.34	5.33	5.33	
	22.00	5471.193	1.443	−1.400	8.11	−6.27	−7.57	7.5	4.96	4.95	4.94	4.93	4.93	4.92	4.92	4.92	4.92	4.92	4.92	
	22.00	5689.460	2.297	−0.360	7.78	−5.35	−7.23	18.0	5.21	5.17	5.14	5.12	5.11	5.10	5.09	5.09	5.09	5.09	5.08	
	22.00	5756.851	3.179	−0.654	7.90	−5.34	−7.68	40.0	6.99	6.86	6.74	6.68	6.65	6.62	6.61	6.60	6.59	6.59	6.58	
	22.00	5866.451	1.067	−0.840	7.64	−6.15	−7.72	62.0	5.72	5.44	5.19	5.08	5.03	4.99	4.97	4.96	4.95	4.94	4.93	
	22.00	5918.535	1.067	−1.460	6.55	−6.29	−7.71	33.0	5.52	5.44	5.36	5.32	5.29	5.28	5.27	5.26	5.26	5.25	5.25	
	22.00	5922.109	1.046	−1.466	7.85	−6.20	−7.64	27.0	5.34	5.29	5.23	5.19	5.18	5.16	5.16	5.15	5.15	5.14	5.14	
	22.00	5978.541	1.873	−0.496	6.95	−6.20	−7.72	35.0	5.40	5.31	5.22	5.17	5.15	5.13	5.12	5.11	5.10	5.10	5.10	
	22.00	6091.171	2.267	−0.423	7.93	−6.11	−7.62	20.0	5.28	5.25	5.21	5.18	5.17	5.16	5.15	5.15	5.15	5.14	5.14	
	22.00	6258.102	1.443	−0.355	8.23	−6.12	−7.58	65.0	5.62	5.35	5.09	4.98	4.92	4.88	4.86	4.84	4.83	4.82	4.82	
	22.00	6261.098	1.430	−0.479	8.24	−6.12	−7.59	68.0	5.82	5.53	5.25	5.12	5.06	5.02	5.00	4.98	4.97	4.96	4.95	
				5.020					**5.80**	**5.57**	**5.28**	**5.14**	**5.07**	**5.04**	**5.02**	**5.00**	**4.99**	**4.98**	**4.98**	
				VALD																
	22.01	4394.051	1.221	−1.780	8.47	−6.60	−7.94	**240.0**	6.35	6.32	6.16	5.77	5.22	4.77	4.48	4.31	4.19	4.11	4.06	syn. +2 lin
				−1.780				**248.0**				5.86	5.31							
	22.01	4394.051									syn	5.32								
	22.01	*4395.031*	*1.084*	*−0.540*	*8.21*	*−6.51*	*−7.92*	***480***				*5.76*	*5.64*							
	22.01	4395.839	1.243	−1.930	8.47	−6.55	−7.90	**202.0**	6.35	6.27	6.02	5.48	4.92	4.58	4.38	4.26	4.18	4.13	4.09	
				−1.930				**228.0**				5.81	5.24							
	22.01	4421.938	2.061	−1.660	8.41	−6.59	−7.94	178.0	6.77	6.68	6.32	5.67	5.18	4.90	4.74	4.65	4.59	4.54	4.51	
	22.01	4563.757	1.221	−0.690	8.22	−6.71	−7.96	**318.0**	5.71	5.69	5.59	5.38	4.98	4.43	3.99	3.69	3.49	3.35	3.25	syn
				−0.690				**326.0**				5.42	5.05							
	22.01	4568.314	1.224	−2.940	8.22	−6.47	−7.90	127.0	6.90	6.62	5.85	5.31	5.06	4.94	4.87	4.82	4.79	4.77	4.75	clean
		4583.409	1.165	−2.920				152.0				5.59	5.23							
	22.01	4708.662	1.237	−2.340	8.20	−6.73	−7.97	**186.0**	6.81	6.71	6.28	5.56	5.06	4.79	4.63	4.54	4.47	4.43	4.40	
				−2.340				**205.0**				5.85	5.28							
	22.01	4779.985	2.048	−1.260	8.26	−6.45	−7.94	**195.0**	6.50	6.41	6.06	5.41	4.89	4.58	4.40	4.29	4.22	4.17	4.14	
				−1.260				**217.0**				5.72	5.14							
	22.01	4794.814	1.131	−4.190	8.29	−6.67	−7.95	15.0	4.94	4.92	4.89	4.87	4.86	4.85	4.85	4.85	4.84	4.84	4.84	
			1.131	−4.190	8.29	−6.67	−7.95	18.0				4.96	4.95							
	22.01	4911.193	3.124	−0.610	8.31	−6.53	−7.89	165.0	6.60	6.48	6.00	5.36	4.95	4.72	4.59	4.51	4.46	4.42	4.39	
	22.01	4996.367	1.582	−2.700	8.47	−6.60	−7.93	85.0	5.93	5.55	5.08	4.86	4.76	4.70	4.66	4.64	4.62	4.61	4.60	
	22.01	5005.157	1.566	−2.720	8.47	−6.60	−7.94	112.0	6.50	6.19	5.55	5.17	5.00	4.91	4.85	4.81	4.79	4.77	4.75	
	22.01	5185.902	1.893	−1.490	8.37	−6.53	−7.91	**201.0**	6.43	6.35	6.02	5.42	4.94	4.64	4.47	4.37	4.30	4.25	4.21	
				−1.490				**237.0**	**fairly large ?**		heavily d	5.87	5.33							
				−1.490				**214.0**	**symmetry**			5.59	5.07							
	22.01	5211.530	2.590	−1.160	8.48	−6.62	−7.91	133.0	6.16	5.95	5.36	4.87	4.62	4.48	4.40	4.35	4.32	4.29	4.27	
	22.01	5336.771	1.582	−1.590	8.21	−6.72	−7.95	**215.0**	6.42	6.33	6.00	5.37	4.85	4.52	4.33	4.22	4.14	4.09	4.05	
				−1.590				**265.0**			deforme	5.96	5.38							

				−1.590				**216.0**												
	22.01	5381.015	1.566	−1.920	8.20	−6.73	−7.96	**201.0**	6.65	6.56	6.15	5.49	5.00	4.72	4.56	4.45	4.39	4.34	4.30	
				−1.920				**224.0**				5.80	5.24							
	22.01	5396.226	1.584	−2.510	8.44	−6.68	−7.92	84.0	5.63	5.27	4.83	4.62	4.53	4.48	4.44	4.42	4.40	4.39	4.38	
	22.01	5418.751	1.582	−2.000	8.20	−6.73	−7.95	**171.0**	6.55	6.38	5.82	5.17	4.79	4.59	4.47	4.40	4.35	4.31	4.28	
				−2.000				**187.0**				5.39	4.95							
	22.01	5454.090	1.566	−3.539	8.44	−6.61	−7.95	**65.0**	6.09	5.82	5.55	5.42	5.36	5.33	5.30	5.29	5.27	5.26	5.26	
	22.01	5490.690	1.566	−2.430	8.43	−6.61	−7.95	120.0	6.24	5.94	5.31	4.92	4.73	4.63	4.58	4.54	4.51	4.49	4.47	
	22.01	5492.862	1.582	−2.450	8.44	−6.61	−7.95	83.0	5.52	5.16	4.74	4.55	4.45	4.40	4.37	4.35	4.33	4.32	4.31	
	22.01	5529.985	1.582	−3.600	8.43	−6.61	−7.95	**52.0**	5.78	5.60	5.43	5.34	5.30	5.27	5.25	5.24	5.23	5.23	5.22	
	22.01	6491.561	2.061	−1.793	8.23	−6.57	−7.94	155.0	6.44	6.22	5.60	5.09	4.81	4.66	4.57	4.51	4.47	4.44	4.42	
	22.01	6513.045	4.002	−1.310	8.35	−6.64	−7.97	25.0	5.07	5.01	4.95	4.91	4.89	4.88	4.87	4.86	4.85	4.85	4.85	
				5.020					**6.19**	**6.02**	**5.63**	**5.38**	**5.03**	**4.73**	**4.61**	**4.54**	**4.49**	**4.45**	**4.42**	
	23.00	4379.230	0.301	0.580	8.05	−6.19	−7.64	135.0	5.65	5.42	4.61	3.96	3.64	3.50	3.42	3.37	3.33	3.31	3.29	
	23.00	5670.853	1.081	−0.420	6.72	−6.26	−7.63	20.0	4.14	4.10	4.06	4.04	4.02	4.01	4.01	4.01	4.00	4.00	4.00	
	23.00	5703.575	1.051	−0.211	7.88	−6.16	−7.60	39.0	4.43	4.31	4.20	4.15	4.12	4.10	4.09	4.08	4.07	4.07	4.06	
	23.00	5737.059	1.064	−0.740	7.88	−6.16	−7.60	15.0	4.27	4.24	4.21	4.20	4.19	4.18	4.18	4.18	4.17	4.17	4.17	
	23.00	6090.214	1.081	−0.062	7.60	−6.16	−7.61	41.0	4.33	4.21	4.09	4.03	4.00	3.98	3.97	3.96	3.95	3.95	3.94	
	23.00	6111.645	1.043	−0.715	7.59	−5.47	−7.62	12.0	4.08	4.06	4.03	4.02	4.01	4.01	4.01	4.00	4.00	4.00	4.00	
	23.00	6243.105	0.301	−0.980	6.51	−6.27	−7.74	34.0	4.27	4.19	4.10	4.06	4.04	4.02	4.01	4.00	4.00	3.99	3.99	***
	23.00	6251.827	0.287	−1.340	6.49	−6.26	−7.74	16.0	4.10	4.07	4.04	4.02	4.01	4.01	4.00	4.00	4.00	4.00	4.00	
				4.000					**4.41**	**4.32**	**4.17**	**4.06**	**4.00**	**3.98**	**3.96**	**3.95**	**3.94**	**3.94**	**3.93**	
	23.01	4183.428	2.050	−1.112	8.32	−6.67	−7.95	156.0	6.12	6.01	5.50	4.77	4.34	4.11	3.98	3.91	3.86	3.82	3.79	
	23.01	5439.303	2.268	−2.589	8.40	−6.61	−7.95	17.0	4.39	4.36	4.32	4.30	4.29	4.28	4.28	4.28	4.27	4.27	4.27	syn
	23.01	5819.935	2.522	−1.703	8.49	−6.59	−7.93	34.0	4.23	4.14	4.05	4.00	3.98	3.96	3.95	3.94	3.93	3.93	3.93	
	23.01	5928.862	2.522	−1.598	8.43	−6.58	−7.93	48.0	4.51	4.34	4.17	4.10	4.05	4.03	4.01	4.00	3.99	3.99	3.98	
	23.01	6028.283	2.491	−2.140	8.40	−6.61	−7.93	33.0	4.60	4.51	4.43	4.38	4.36	4.34	4.33	4.32	4.32	4.31	4.31	
				4.000					**4.77**	**4.67**	**4.49**	**4.31**	**4.20**	**4.14**	**4.11**	**4.09**	**4.07**	**4.06**	**4.06**	
	24.00	4626.173	0.968	−1.320	7.19	−6.30	−7.75	126.0	7.65	7.23	6.17	5.58	5.32	5.20	5.13	5.08	5.05	5.03	5.01	
	24.00	4652.157	1.004	−1.030	7.21	−6.30	−7.75	157.0	7.75	7.54	6.63	5.79	5.37	5.17	5.06	4.99	4.95	4.91	4.89	clean
	24.00	4700.611	2.710	−1.255	6.94	−6.21	−7.70	13.0	5.60	5.57	5.55	5.53	5.52	5.51	5.51	5.50	5.50	5.50	5.50	**
	24.00	4790.333	2.545	−1.758	8.55	−6.02	−7.73	16.0	6.06	6.03	5.99	5.97	5.96	5.95	5.95	5.94	5.94	5.94	5.93	
	24.00	4936.336	3.113	−0.340	7.81	−6.21	−7.60	59.0	6.58	6.25	5.96	5.83	5.77	5.73	5.71	5.69	5.68	5.67	5.66	
	24.00	5067.714	2.709	−1.114	8.22	−6.07	−7.78	40.0	6.29	6.15	6.02	5.95	5.92	5.90	5.88	5.87	5.87	5.86	5.86	
	24.00	5193.492	3.422	−0.720	6.83	−6.11	−7.68	26.0	6.17	6.10	6.03	5.99	5.97	5.96	5.95	5.94	5.94	5.93	5.93	
	24.00	5214.132	3.369	−0.740	7.16	−6.17	−7.73	20.0	5.94	5.90	5.85	5.82	5.81	5.80	5.79	5.79	5.78	5.78	5.78	
	24.00	5247.565	0.961	−1.640	7.72	−6.12	−7.62	120.0	7.46	7.03	6.17	5.71	5.51	5.40	5.34	5.31	5.28	5.26	5.24	
	24.00	5296.691	0.983	−1.400	7.72	−6.12	−7.62	142.0	7.53	7.23	6.37	5.77	5.48	5.33	5.25	5.20	5.17	5.14	5.12	
	24.00	5300.745	0.983	−2.120	7.72	−6.11	−7.62	77.0	6.82	6.35	5.89	5.71	5.63	5.59	5.56	5.54	5.52	5.51	5.50	
	24.00	5329.138	2.914	−0.064	8.03	−3.81	−7.22	91.0	6.75	6.45	5.96	5.71	5.59	5.52	5.48	5.45	5.43	5.41	5.40	
	24.00	5348.315	1.004	−1.290	7.72	−6.11	−7.62	148.0	7.50	7.23	6.39	5.75	5.44	5.28	5.19	5.14	5.10	5.07	5.05	
	24.00	5409.784	1.030	−0.720	7.72	−6.11	−7.62	220.0	7.44	7.35	6.97	6.22	5.63	5.28	5.08	4.95	4.87	4.82	4.78	
	24.00	5783.063	3.323	−0.500	8.00	−4.25	−7.10	38.0	6.15	6.03	5.92	5.86	5.83	5.81	5.80	5.79	5.78	5.77	5.77	
	24.00	5787.918	3.322	−0.083	8.00	−4.55	−7.10	58.0	6.34	6.08	5.83	5.71	5.66	5.62	5.60	5.58	5.57	5.56	5.56	
	24.00	6630.011	1.030	−3.560	7.38	−6.23	−7.68	7.0	5.84	5.83	5.81	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	
				5.670					**6.70**	**6.49**	**6.09**	**5.81**	**5.66**	**5.58**	**5.53**	**5.50**	**5.48**	**5.47**	**5.46**	
syn	24.01	4588.199	4.071	−0.845	8.41	−6.66	−7.76	215.0			syn=	5.97	fat!!							
	24.01	4884.607	3.858	−2.231	8.41	−6.63	−7.85	114.0	7.53	7.26	6.60	6.16	5.95	5.83	5.77	5.72	5.69	5.66	5.64	
	24.01	5232.496	4.071	−2.360	8.41	−6.64	−7.78	86.0	7.26	6.88	6.37	6.11	5.99	5.92	5.88	5.85	5.82	5.81	5.79	*** syn
	24.01	5237.329	4.073	−1.350	8.41	−6.64	−7.78	161.0	7.25	7.13	6.67	6.09	5.71	5.50	5.38	5.30	5.24	5.20	5.17	** syn
	24.01	5305.853	3.827	−2.160	8.41	−6.60	−7.86	108.0	7.25	6.94	6.32	5.94	5.76	5.66	5.60	5.56	5.53	5.51	5.49	clean
	24.01	5310.686	4.072	−2.408	8.41	−6.64	−7.78	70.0	6.85	6.51	6.14	5.96	5.88	5.82	5.79	5.77	5.75	5.74	5.73	
syn	24.01	5313.563	4.074	−1.779	8.41	−6.64	−7.78	150.0			syn=	6.07								
	24.01	5334.869	4.072	−1.826	8.41	−6.64	−7.78	121.0	7.32	7.08	6.46	6.01	5.79	5.66	5.59	5.54	5.50	5.48	5.46	
	24.01	5502.067	4.168	−2.117	8.41	−6.63	−7.84	96.0	7.29	6.94	6.37	6.07	5.92	5.84	5.79	5.76	5.73	5.71	5.70	
	24.01	5510.702	3.827	−2.614	8.36	−6.65	−7.86	91.0	7.37	6.99	6.45	6.18	6.05	5.97	5.93	5.90	5.87	5.86	5.84	
	24.01	6070.105	4.750	−2.986	8.41	−6.63	−7.83	9.0	6.02	6.01	5.98	5.97	5.97	5.96	5.96	5.96	5.96	5.96	5.96	
	24.01	6112.261	4.745	−2.980	8.41	−6.66	−7.83	10.0	6.07	6.05	6.02	6.01	6.00	6.00	6.00	5.99	5.99	5.99	5.99	
				5.670					**7.02**	**6.78**	**6.34**	**6.05**	**5.90**	**5.82**	**5.77**	**5.73**	**5.71**	**5.69**	**5.68**	
	25.00	4257.669	2.953	−0.700	7.99	−6.02	−7.59	60.0	6.36	5.95	5.59	5.46	5.39	5.35	5.33	5.31	5.30	5.29	5.28	
	25.00	4265.923	2.941	−0.270	7.99	−5.93	−7.60	65.0	6.13	5.66	5.24	5.08	5.00	4.96	4.93	4.91	4.90	4.89	4.88	
	25.00	4470.144	2.941	−0.444	7.85	−5.51	−7.62	64.0	6.21	5.76	5.37	5.22	5.15	5.11	5.08	5.06	5.05	5.04	5.03	
	25.00	4502.213	2.920	−0.345	7.85	−4.11	−7.62	68.0	6.13	5.73	5.31	5.14	5.07	5.02	4.99	4.97	4.96	4.95	4.94	
	25.00	4761.512	2.953	−0.138	7.77	−6.15	−7.64	105.0	7.13	6.66	5.82	5.40	5.22	5.13	5.07	5.04	5.01	5.00	4.98	
	25.00	4765.846	2.941	−0.080	7.77	−6.15	−7.64	107.0	7.10	6.65	5.79	5.36	5.17	5.07	5.02	4.98	4.96	4.94	4.92	
	25.00	4766.418	2.920	0.100	7.77	−6.15	−7.64	134.0	7.30	7.03	6.18	5.53	5.23	5.08	4.99	4.94	4.90	4.88	4.85	syn
	25.00	5399.499	3.853	−0.287	7.96	−5.43	−7.64	40.0	5.92	5.77	5.62	5.56	5.52	5.50	5.49	5.47	5.47	5.46	5.46	
syn	25.00	5420.355	2.143	−1.462	8.60	−6.17	−7.54	95.0			syn	5.69								
syn	25.00	5470.637	2.164	−1.702	8.60	−6.17	−7.78	73.0			syn	5.59								
	25.00	6013.513	3.072	−0.251	7.86	−5.36	−7.62	95.0	6.78	6.30	5.68	5.40	5.27	5.20	5.16	5.13	5.11	5.10	5.08	
				5.390					**6.56**	**6.17**	**5.62**	**5.40**	**5.22**	**5.16**	**5.12**	**5.09**	**5.07**	**5.06**	**5.05**	
1	26.00	4182.383	3.017	−1.180	8.07	−5.57	−7.81	167.0	9.29	9.18	8.72	7.92	7.39	7.11	6.96	6.87	6.81	6.77	6.74	
1	26.00	4184.891	2.831	−0.869	7.89	−6.09	−7.78	180.0	9.02	8.92	8.50	7.67	7.06	6.74	6.56	6.45	6.39	6.34	6.31	

1	26.00	4239.361	3.642	−1.520	7.69	−4.71	−7.13	68.0	8.44	8.00	7.54	7.36	7.27	7.23	7.20	7.18	7.16	7.15	7.14	*
1	26.00	4244.244	4.371	−1.851	8.38	−4.13	−7.33	14.0	7.52	7.49	7.45	7.44	7.42	7.42	7.41	7.41	7.41	7.40	7.40	
1	26.00	4365.896	2.990	−2.250	8.20	−5.85	−7.60	66.0	8.47	8.01	7.59	7.43	7.35	7.31	7.28	7.26	7.25	7.24	7.23	clean
1	26.00	4377.791	3.274	−2.310	7.65	−6.25	−7.75	35.0	7.64	7.51	7.39	7.34	7.31	7.29	7.27	7.27	7.26	7.25	7.25	
1	26.00	4439.881	2.279	−3.002	7.48	−6.22	−7.72	63.0	8.44	7.97	7.59	7.45	7.38	7.34	7.32	7.30	7.29	7.28	7.27	clean
1	26.00	4445.471	0.087	−5.441	4.22	−6.21	−7.82	56.0	8.39	8.01	7.74	7.63	7.58	7.55	7.53	7.52	7.51	7.50	7.49	
1	26.00	4478.018	2.198	−3.700	6.27	−6.24	−7.82	21.0	7.54	7.49	7.44	7.41	7.40	7.39	7.38	7.37	7.37	7.37	7.36	
1	26.00	4509.735	4.220	−1.293	8.22	−4.34	−7.34	52.0	8.08	7.80	7.56	7.45	7.40	7.36	7.34	7.33	7.32	7.31	7.30	ce 2
1	26.00	4551.647	3.943	−2.060	7.98	−5.41	−7.19	35.0	8.01	7.88	7.76	7.71	7.67	7.66	7.64	7.63	7.63	7.62	7.62	clean
1	26.00	4585.339	4.608	−1.082	8.50	−5.57	−7.44	20.0	7.18	7.13	7.07	7.04	7.03	7.02	7.01	7.00	7.00	7.00	6.99	
1	26.00	4604.557	4.473	−1.063	8.08	−4.69	−7.32	55.0	8.21	7.89	7.61	7.49	7.43	7.40	7.38	7.36	7.35	7.34	7.33	
1	26.00	4635.846	2.845	−2.358	7.99	−5.93	−7.69	77.0	8.79	8.26	7.71	7.50	7.40	7.35	7.32	7.30	7.28	7.27	7.26	
1	26.00	4637.503	3.283	−1.390	7.88	−5.31	−7.17	130.0	9.16	8.95	8.24	7.65	7.36	7.22	7.13	7.08	7.05	7.02	7.00	
1	26.00	4683.560	2.831	−2.319	7.65	−6.17	−7.80	74.0	8.67	8.12	7.60	7.41	7.32	7.27	7.24	7.22	7.20	7.19	7.18	bl
1	26.00	4779.439	3.415	−2.020	8.00	−6.07	−7.64	55.0	8.14	7.81	7.55	7.43	7.38	7.35	7.33	7.31	7.30	7.29	7.28	
1	26.00	4787.827	2.998	−2.530	7.98	−5.38	−7.22	54.0	8.19	7.88	7.63	7.53	7.48	7.45	7.43	7.41	7.40	7.39	7.39	
1	26.00	4794.354	2.424	−4.050	8.65	−5.89	−7.51	11.0	7.70	7.68	7.65	7.64	7.63	7.63	7.62	7.62	7.62	7.62	7.61	
1	26.00	4808.148	3.251	−2.790	8.20	−5.85	−7.67	36.0	8.08	7.95	7.83	7.78	7.75	7.73	7.72	7.71	7.70	7.70	7.69	
1	26.00	4885.430	3.882	−0.971	7.98	−5.34	−7.53	114.0	9.16	8.83	8.04	7.56	7.35	7.24	7.17	7.13	7.10	7.08	7.06	
1	26.00	4892.859	4.217	−1.290	8.47	−4.76	−7.13	71.0	8.60	8.25	7.84	7.66	7.58	7.53	7.50	7.47	7.46	7.45	7.44	
1	26.00	4896.438	3.883	−2.050	8.19	−5.57	−7.26	56.0	8.62	8.31	8.03	7.92	7.86	7.83	7.80	7.79	7.78	7.77	7.76	
1	26.00	4909.383	3.929	−1.231	8.01	−5.57	−7.53	87.0	8.91	8.43	7.80	7.52	7.40	7.33	7.29	7.26	7.24	7.22	7.21	
1	26.00	4938.814	2.875	−1.077	8.18	−5.41	−7.26	177.0	8.70	8.60	8.20	7.55	7.09	6.83	6.69	6.61	6.55	6.51	6.48	clean
1	26.00	4939.687	0.859	−3.340	7.25	−6.15	−7.75	177.0	9.67	9.50	8.72	7.80	7.32	7.08	6.95	6.87	6.82	6.78	6.75	clean
1	26.00	4967.897	4.191	−0.487	8.47	−4.01	−7.52	104.0	8.37	8.12	7.58	7.22	7.05	6.96	6.91	6.87	6.85	6.83	6.81	
1	26.00	4969.917	4.217	−0.710	8.47	−4.72	−7.16	109.0	8.76	8.52	7.94	7.54	7.35	7.25	7.19	7.15	7.12	7.10	7.09	clean
1	26.00	5007.731	4.294	−1.987	8.11	−5.21	−7.67	33.0	8.18	8.06	7.96	7.91	7.88	7.86	7.85	7.84	7.83	7.83	7.82	
1	26.00	5008.642	4.559	−1.507	8.31	−4.21	−7.34	19.0	7.50	7.45	7.41	7.38	7.37	7.36	7.35	7.35	7.34	7.34	7.34	
1	26.00	5014.942	3.943	−0.303	8.17	−5.57	−7.27	171.0	8.90	8.79	8.38	7.74	7.30	7.06	6.92	6.83	6.77	6.73	6.70	
1	26.00	5029.618	3.415	−2.050	7.51	−6.14	−7.78	77.0	9.01	8.45	7.92	7.71	7.62	7.56	7.53	7.51	7.49	7.48	7.47	*
1	26.00	5049.820	2.279	−1.355	8.21	−5.91	−7.59	219.0	8.70	8.62	8.37	7.80	7.22	6.86	6.64	6.51	6.42	6.36	6.32	
1	26.00	5054.643	3.640	−1.921	7.53	−6.10	−7.60	44.0	7.84	7.63	7.46	7.39	7.35	7.32	7.31	7.30	7.29	7.28	7.28	clean
1	26.00	5068.766	2.940	−1.042	8.18	−5.41	−7.26	179.0	8.72	8.62	8.22	7.58	7.12	6.86	6.72	6.63	6.58	6.53	6.50	
1	26.00	5083.338	0.958	−2.958	7.24	−6.15	−7.74	197.0	9.48	9.37	8.75	7.78	7.23	6.93	6.77	6.67	6.61	6.56	6.53	
1	26.00	5090.773	4.256	−0.400	8.38	−4.50	−7.17	128.0	8.71	8.53	7.99	7.50	7.25	7.11	7.04	6.99	6.95	6.92	6.90	syn
1	26.00	5108.397	4.559	−1.252	8.30	−4.29	−7.34	25.0	7.44	7.37	7.30	7.26	7.24	7.23	7.22	7.22	7.21	7.21	7.20	
1	26.00	5141.739	2.424	−1.964	8.20	−5.88	−7.57	127.0	8.77	8.50	7.76	7.24	7.00	6.88	6.81	6.77	6.74	6.71	6.70	bl
1	26.00	5187.914	4.143	−1.371	8.07	−5.56	−7.69	79.0	8.97	8.50	7.97	7.75	7.65	7.59	7.56	7.53	7.51	7.50	7.49	
1	26.00	5194.941	1.557	−2.090	6.11	−6.11	−7.68	230.0	9.47	9.36	8.95	8.04	7.33	6.93	6.70	6.56	6.47	6.41	6.37	
1	26.00	5196.059	4.256	−0.493	8.38	−4.57	−7.51	102.0	8.53	8.22	7.61	7.25	7.09	7.00	6.95	6.92	6.89	6.87	6.86	
1	26.00	5198.711	2.223	−2.135	8.23	−6.07	−7.59	154.0	8.98	8.81	8.21	7.57	7.22	7.04	6.94	6.88	6.84	6.81	6.79	
1	26.00	5217.389	3.211	−1.070	8.05	−5.38	−7.22	157.0	8.86	8.71	8.17	7.54	7.17	6.98	6.87	6.80	6.75	6.72	6.69	
1	26.00	5223.183	3.635	−1.783	8.00	−6.07	−7.55	37.0	7.45	7.31	7.19	7.13	7.10	7.08	7.07	7.06	7.05	7.05	7.04	
1	26.00	5225.526	0.110	−4.789	3.22	−6.28	−7.82	111.0	9.64	8.84	7.91	7.51	7.35	7.27	7.23	7.19	7.17	7.15	7.14	
1	26.00	5232.940	2.940	−0.058	8.17	−5.41	−7.28	255.0	8.08	8.04	7.87	7.49	6.95	6.51	6.23	6.05	5.93	5.85	5.79	syn
1	26.00	5242.491	3.634	−0.967	7.85	−6.12	−7.58	136.0	9.23	8.96	8.17	7.57	7.28	7.13	7.05	6.99	6.95	6.93	6.91	
1	26.00	5250.209	0.121	−4.938	3.22	−6.28	−7.82	118.0	9.97	9.22	8.19	7.75	7.57	7.48	7.43	7.39	7.37	7.35	7.33	
1	26.00	5253.462	3.283	−1.573	8.04	−5.38	−7.20	108.0	8.88	8.54	7.84	7.45	7.28	7.19	7.13	7.10	7.07	7.05	7.04	
1	26.00	5326.142	3.573	−2.071	7.56	−5.99	−7.82	47.0	8.00	7.77	7.58	7.50	7.46	7.43	7.41	7.40	7.39	7.39	7.38	
1	26.00	5339.929	3.266	−0.647	8.04	−5.38	−7.22	195.0	8.73	8.64	8.29	7.68	7.19	6.89	6.72	6.62	6.55	6.50	6.47	
1	26.00	5364.871	4.445	0.228	8.33	−4.67	−7.14	174.0	8.62	8.53	8.18	7.65	7.24	7.01	6.87	6.78	6.72	6.68	6.65	
1	26.00	5365.399	3.573	−1.020	7.23	−6.25	−7.82	116.0	9.22	8.69	7.75	7.28	7.07	6.97	6.91	6.87	6.84	6.82	6.80	
1	26.00	5367.466	4.415	0.443	8.32	−4.54	−7.15	179.0	8.40	8.31	7.99	7.47	7.05	6.80	6.66	6.56	6.50	6.46	6.42	
1	26.00	5379.574	3.694	−1.514	7.85	−6.12	−7.57	84.0	8.82	8.32	7.74	7.50	7.39	7.33	7.30	7.27	7.25	7.24	7.23	
1	26.00	5383.369	4.312	0.645	8.30	−4.93	−7.22	194.0	8.27	8.18	7.90	7.38	6.91	6.62	6.45	6.34	6.27	6.22	6.18	
1	26.00	5386.333	4.154	−1.770	8.45	−4.47	−7.17	43.0	8.09	7.92	7.77	7.69	7.66	7.63	7.62	7.61	7.60	7.59	7.59	
1	26.00	5389.479	4.415	−0.410	8.32	−4.63	−7.16	130.0	8.88	8.70	8.15	7.67	7.41	7.27	7.20	7.14	7.11	7.08	7.06	
1	26.00	5398.279	4.445	−0.670	8.33	−4.82	−7.14	105.0	8.87	8.59	8.00	7.64	7.47	7.38	7.32	7.28	7.26	7.24	7.22	
1	26.00	5406.775	4.371	−1.720	8.31	−4.24	−7.19	48.0	8.40	8.19	8.01	7.92	7.87	7.85	7.83	7.82	7.81	7.80	7.79	
1	26.00	5415.199	4.386	0.642	8.30	−4.66	−7.18	208.0	8.37	8.29	8.06	7.60	7.13	6.81	6.62	6.49	6.41	6.35	6.31	
1	26.00	5434.524	1.011	−2.122	7.14	−6.22	−7.75	263.0	8.99	8.91	8.64	7.88	7.11	6.64	6.36	6.19	6.08	6.00	5.95	
1	26.00	5445.042	4.386	−0.020	8.30	−4.63	−7.19	178.0	8.86	8.76	8.42	7.89	7.47	7.22	7.08	6.99	6.93	6.88	6.85	
1	26.00	5461.550	4.445	−1.900	8.33	−4.63	−7.16	31.0	8.14	8.04	7.95	7.91	7.88	7.87	7.85	7.85	7.84	7.84	7.83	
1	26.00	5470.093	4.446	−1.810	8.33	−4.72	−7.16	30.0	8.02	7.93	7.84	7.80	7.77	7.76	7.75	7.74	7.74	7.73	7.73	
1	26.00	5473.900	4.154	−0.760	8.47	−5.34	−7.27	116.0	8.81	8.57	7.98	7.57	7.37	7.26	7.20	7.16	7.13	7.11	7.09	
1	26.00	5522.446	4.209	−1.550	8.02	−5.57	−7.26	58.0	8.43	8.12	7.84	7.72	7.66	7.63	7.60	7.59	7.58	7.57	7.56	
1	26.00	5546.506	4.371	−1.310	8.31	−5.06	−7.22	74.0	8.80	8.43	8.01	7.83	7.74	7.69	7.66	7.63	7.62	7.61	7.60	
1	26.00	5560.211	4.434	−1.190	8.28	−4.24	−7.19	74.0	8.69	8.35	7.95	7.77	7.68	7.63	7.60	7.57	7.56	7.55	7.54	
1	26.00	5569.618	3.417	−0.486	8.06	−5.38	−7.20	206.0	8.72	8.63	8.33	7.76	7.26	6.95	6.76	6.65	6.57	6.52	6.48	
1	26.00	5576.089	3.430	−1.000	8.06	−5.39	−7.20	176.0	9.06	8.95	8.51	7.88	7.47	7.23	7.10	7.02	6.96	6.92	6.89	
1	26.00	5584.765	3.573	−2.320	8.24	−5.75	−7.67	48.0	8.23	8.02	7.83	7.75	7.70	7.68	7.66	7.65	7.64	7.63	7.63	
1	26.00	5607.664	4.154	−2.270	8.61	−4.88	−7.23	19.0	7.85	7.81	7.76	7.74	7.73	7.72	7.71	7.71	7.71	7.70	7.70	
1	26.00	5619.595	4.386	−1.700	8.31	−4.35	−7.23	41.0	8.17	8.02	7.87	7.81	7.77	7.75	7.73	7.72	7.72	7.71	7.70	
1	26.00	5624.022	4.386	−1.480	8.31	−4.70	−7.23	68.0	8.79	8.45	8.09	7.94	7.86	7.82	7.79	7.77	7.75	7.74	7.73	
1	26.00	5631.731	4.473	−1.509	8.27	−4.69	−7.51	19.0	7.40	7.35	7.30	7.28	7.27	7.26	7.25	7.25	7.24	7.24	7.24	
1	26.00	5633.946	4.991	−0.270	8.88	−5.07	−7.34	92.0	8.52	8.28	7.84	7.58	7.46	7.38	7.34	7.31	7.29	7.27	7.25	
1	26.00	5651.469	4.473	−2.000	8.27	−5.41	−7.19	23.0	8.02	7.96	7.90	7.87	7.85	7.84	7.83	7.83	7.82	7.82	7.82	
1	26.00	5652.318	4.260	−1.950	8.01	−5.57	−7.25	33.0	8.07	7.96	7.86	7.81	7.78	7.76	7.75	7.75	7.74	7.73	7.73	
1	26.00	5653.865	4.386	−1.640	8.31	−3.96	−7.24	50.0	8.36	8.15	7.96	7.87	7.82	7.79	7.77	7.76	7.75	7.74	7.74	
1	26.00	5704.733	5.033	−1.409	8.86	−4.53	−7.30	26.0	8.04	7.97	7.90	7.87	7.84	7.83	7.82	7.82	7.81	7.81	7.81	
1	26.00	5752.032	4.549	−1.177	8.33	−4.69	−7.51	72.0	8.77	8.40	8.01	7.83	7.75	7.70	7.67	7.65	7.63	7.62	7.61	
1	26.00	5760.344	3.642	−2.490	7.89	−6.09	−7.55	33.0	8.00	7.90	7.80	7.75	7.73	7.71	7.70	7.69	7.69	7.68	7.68	
1	26.00	5775.081	4.220	−1.298	8.38	−5.00	−7.53	79.0	8.75	8.38	7.92	7.71	7.62	7.56	7.53	7.51	7.49	7.48	7.46	
1	26.00	5793.915	4.220	−1.700	8.47	−5.29	−7.28	43.0	8.06	7.89	7.74	7.67	7.63	7.61	7.59	7.58	7.57	7.57	7.56	
1	26.00	5814.807	4.283	−1.970	8.47	−5.57	−7.27	27.0	7.92	7.84	7.77	7.73	7.71	7.70	7.69	7.68	7.68	7.68	7.67	
1	26.00	5816.373	4.548	−0.601	8.33	−4.33	−7.51	102.0	8.80	8.50	7.93	7.60	7.45	7.36	7.31	7.28	7.25	7.23	7.22	
1	26.00	5827.877	3.283	−3.410	8.22	−5.41	−7.26	14.0	7.96	7.93	7.90	7.89	7.88	7.87	7.87	7.87	7.86	7.86	7.86	
1	26.00	5855.076	4.608	−1.478	8.33	−4.54	−7.16	27.0	7.74	7.66	7.59	7.55	7.53	7.51	7.50	7.50	7.49	7.49	7.49	
1	26.00	5856.088	4.294	−1.328	7.99	−5.26	−7.53	42.0	7.74	7.57	7.42	7.35	7.31	7.29	7.28	7.27	7.26	7.25	7.25	

1	26.00	5859.586	4.549	−0.419	8.33	−4.24	−7.51	102.0	8.60	8.30	7.74	7.42	7.26	7.18	7.13	7.09	7.07	7.05	7.03	
1	26.00	5883.817	3.960	−1.360	7.78	−5.28	−7.14	105.0	9.19	8.82	8.17	7.82	7.66	7.57	7.52	7.49	7.46	7.44	7.43	
1	26.00	5905.671	4.652	−0.730	8.33	−4.76	−7.14	73.0	8.39	8.05	7.66	7.49	7.40	7.35	7.32	7.30	7.28	7.27	7.26	
1	26.00	5927.789	4.652	−1.090	8.32	−6.06	−7.15	58.0	8.33	8.05	7.78	7.67	7.61	7.57	7.55	7.53	7.52	7.51	7.50	
1	26.00	5929.677	4.548	−1.410	8.33	−4.58	−7.20	50.0	8.29	8.07	7.88	7.78	7.74	7.71	7.69	7.67	7.66	7.66	7.65	
1	26.00	5930.180	4.652	−0.230	8.32	−4.71	−7.15	129.0	8.85	8.65	8.11	7.66	7.42	7.29	7.21	7.16	7.13	7.10	7.08	
1	26.00	5956.694	0.859	−4.605	4.00	−6.17	−7.78	79.0	8.82	8.30	7.85	7.68	7.60	7.55	7.53	7.51	7.49	7.48	7.47	
1	26.00	5984.815	4.733	−0.196	8.31	−5.02	−7.42	112.0	8.77	8.49	7.88	7.49	7.30	7.20	7.14	7.10	7.07	7.05	7.04	
1	26.00	6003.011	3.881	−1.120	7.75	−5.38	−7.18	112.0	9.00	8.65	7.96	7.57	7.39	7.30	7.24	7.21	7.18	7.16	7.14	
1	26.00	6007.960	4.652	−0.597	8.33	−4.63	−7.51	85.0	8.58	8.22	7.73	7.49	7.38	7.32	7.28	7.25	7.23	7.22	7.20	
1	26.00	6008.556	3.884	−0.986	7.79	−5.38	−7.54	122.0	9.15	8.80	8.03	7.57	7.35	7.24	7.18	7.13	7.10	7.08	7.06	
1	26.00	6024.058	4.548	−0.120	8.32	−5.06	−7.22	160.0	8.94	8.81	8.37	7.83	7.49	7.30	7.19	7.12	7.07	7.03	7.00	
1	26.00	6027.051	4.076	−1.089	8.01	−6.03	−7.78	109.0	9.21	8.80	8.08	7.70	7.53	7.44	7.38	7.34	7.32	7.30	7.28	
1	26.00	6056.005	4.733	−0.460	8.32	−4.95	−7.13	101.0	8.78	8.48	7.93	7.61	7.46	7.38	7.33	7.29	7.27	7.25	7.24	
1	26.00	6065.482	2.608	−1.530	8.07	−6.29	−7.58	196.0	8.98	8.88	8.43	7.76	7.31	7.05	6.89	6.80	6.74	6.70	6.66	
1	26.00	6079.008	4.652	−1.120	8.33	−4.50	−7.18	61.0	8.42	8.13	7.85	7.73	7.66	7.62	7.60	7.58	7.57	7.56	7.55	
1	26.00	6093.643	4.607	−1.500	8.33	−4.57	−7.20	38.0	8.07	7.94	7.81	7.75	7.72	7.70	7.68	7.68	7.67	7.66	7.66	
1	26.00	6094.373	4.652	−1.940	8.33	−4.01	−7.18	23.0	8.10	8.05	7.99	7.96	7.94	7.93	7.92	7.92	7.91	7.91	7.91	
1	26.00	6105.128	4.548	−2.050	8.33	−3.96	−7.24	15.0	7.84	7.81	7.77	7.76	7.74	7.74	7.73	7.73	7.73	7.73	7.73	
1	26.00	6127.906	4.143	−1.399	8.00	−6.02	−7.79	67.0	8.47	8.09	7.73	7.58	7.51	7.47	7.44	7.42	7.41	7.40	7.39	
1	26.00	6151.617	2.176	−3.299	8.29	−6.16	−7.70	74.0	8.54	8.16	7.78	7.62	7.55	7.51	7.48	7.46	7.45	7.44	7.43	
1	26.00	6165.360	4.143	−1.474	8.00	−6.02	−7.78	61.0	8.34	8.01	7.71	7.59	7.52	7.49	7.46	7.45	7.43	7.42	7.42	
1	26.00	6187.989	3.943	−1.720	7.75	−5.38	−7.18	62.0	8.39	8.07	7.77	7.65	7.58	7.55	7.52	7.51	7.50	7.49	7.48	bl
1	26.00	6200.313	2.608	−2.437	8.08	−6.29	−7.59	112.0	9.06	8.66	7.97	7.60	7.44	7.35	7.30	7.27	7.24	7.22	7.21	
1	26.00	6213.430	2.223	−2.482	8.31	−6.16	−7.69	138.0	8.94	8.69	8.04	7.55	7.31	7.19	7.12	7.07	7.04	7.01	7.00	
1	26.00	6246.318	3.602	−0.733	8.07	−5.38	−7.22	156.0	8.71	8.54	7.99	7.43	7.11	6.94	6.84	6.77	6.73	6.70	6.67	
1	26.00	6252.555	2.404	−1.687	8.02	−6.07	−7.62	197.0	8.96	8.84	8.37	7.69	7.24	6.99	6.84	6.75	6.68	6.64	6.61	
1	26.00	6265.132	2.176	−2.550	8.30	−6.16	−7.70	147.0	9.05	8.83	8.20	7.67	7.40	7.27	7.18	7.13	7.10	7.07	7.05	
1	26.00	6297.793	2.223	−2.740	8.29	−6.16	−7.69	123.0	9.01	8.70	8.04	7.63	7.44	7.34	7.28	7.24	7.22	7.20	7.18	
1	26.00	6301.500	3.654	−0.718	8.07	−5.42	−7.54	165.0	8.93	8.76	8.19	7.58	7.23	7.03	6.92	6.85	6.80	6.77	6.74	
1	26.00	6322.685	2.588	−2.426	8.07	−6.09	−7.60	105.0	8.88	8.45	7.80	7.48	7.34	7.26	7.22	7.19	7.17	7.15	7.14	
1	26.00	6335.330	2.198	−2.177	8.30	−6.16	−7.70	169.0	8.86	8.70	8.17	7.58	7.24	7.06	6.95	6.89	6.84	6.81	6.78	
1	26.00	6336.823	3.686	−0.856	8.08	−5.38	−7.21	152.0	8.86	8.68	8.12	7.57	7.27	7.11	7.01	6.95	6.91	6.88	6.86	
1	26.00	6380.743	4.186	−1.376	7.88	−6.03	−7.79	75.0	8.72	8.29	7.86	7.68	7.59	7.55	7.51	7.49	7.48	7.46	7.46	
1	26.00	6392.538	2.279	−4.030	8.31	−6.16	−7.64	24.0	7.90	7.84	7.79	7.76	7.74	7.73	7.72	7.72	7.71	7.71	7.71	
1	26.00	6393.600	2.433	−1.432	8.05	−6.06	−7.62	217.0	8.80	8.70	8.32	7.68	7.19	6.89	6.72	6.61	6.53	6.48	6.45	
1	26.00	6411.648	3.654	−0.595	8.07	−5.38	−7.22	182.0	8.78	8.67	8.23	7.65	7.25	7.02	6.89	6.81	6.75	6.71	6.68	
1	26.00	6436.406	4.186	−2.460	7.48	−6.03	−7.81	14.0	7.85	7.82	7.79	7.77	7.76	7.75	7.75	7.75	7.75	7.74	7.74	
1	26.00	6593.870	2.433	−2.422	8.01	−6.08	−7.63	137.0	9.18	8.88	8.14	7.66	7.43	7.30	7.24	7.19	7.16	7.13	7.12	
1	26.00	6608.025	2.279	−4.030	8.30	−6.16	−7.65	23.0	7.85	7.80	7.75	7.72	7.71	7.70	7.69	7.68	7.68	7.68	7.67	
1	26.00	6648.080	1.011	−5.424	4.22	−6.21	−7.83	10.0	7.50	7.48	7.46	7.45	7.44	7.44	7.44	7.44	7.44	7.44	7.44	
1	26.00	6703.566	2.758	−3.160	8.08	−6.28	−7.63	51.0	8.25	8.03	7.85	7.76	7.72	7.69	7.68	7.67	7.66	7.65	7.64	
1	26.00	6710.318	1.485	−4.880	7.27	−6.15	−7.73	22.0	7.88	7.83	7.78	7.76	7.74	7.73	7.73	7.72	7.72	7.71	7.71	
1	26.00	6726.666	4.607	−1.133	8.36	−4.69	−7.52	58.0	8.25	7.99	7.74	7.63	7.57	7.53	7.51	7.50	7.48	7.48	7.47	
1	26.00	6733.150	4.638	−1.580	8.41	−5.36	−7.25	34.0	8.02	7.92	7.82	7.77	7.74	7.72	7.71	7.70	7.69	7.69	7.68	
1	26.00	6750.152	2.424	−2.621	6.69	−6.13	−7.61	123.0	9.46	8.92	8.09	7.68	7.49	7.39	7.33	7.30	7.27	7.25	7.23	
				7.500					**8.52**	**8.29**	**7.92**	**7.63**	**7.45**	**7.35**	**7.30**	**7.26**	**7.23**	**7.21**	**7.20**	
									38.34	29.66	13.38	4.53	7.55	13.15	17.71	20.99	23.33	25.04	26.34	
	26.01	4620.521	2.828	−3.315				**190.0**				8.10	7.60							
	26.01	4635.316	5.956	−1.578	8.64	−6.56	−7.78	74.0	8.71	8.39	7.94	7.70	7.57	7.50	7.45	7.41	7.39	7.37	7.35	
	26.01	4923.927	2.891	−1.504				**510.0**				8.04	7.94							
	26.01	4993.358	2.807	−3.684	8.51	−6.53	−7.89	157.0	9.07	8.95	8.49	7.90	7.53	7.33	7.21	7.14	7.09	7.06	7.03	
	26.01	5018.440	2.891	−1.345				**560.0**				7.96	7.87							
	26.01	5132.669	2.807	−4.094	8.56	−6.53	−7.89	107.0	8.89	8.60	7.99	7.62	7.44	7.35	7.30	7.26	7.23	7.21	7.20	
	26.01	5161.184	2.856	−4.573	8.56	−6.53	−7.89	68.0	8.55	8.20	7.84	7.68	7.60	7.56	7.53	7.51	7.49	7.48	7.48	
	26.01	5234.625	3.221	−2.279				**300.0**				8.36	7.98							
	26.01	5256.938	2.891	−4.182	8.56	−6.50	−7.89	104.0	8.99	8.69	8.09	7.74	7.58	7.49	7.44	7.40	7.38	7.36	7.34	
	26.01	5264.812	3.230	−3.133	8.56	−6.53	−7.88	174.0	8.95	8.85	8.49	7.94	7.54	7.30	7.16	7.08	7.02	6.97	6.94	
	26.01	5325.553	3.221	−3.324	8.47	−6.53	−7.88	162.0	9.11	9.00	8.54	7.96	7.59	7.39	7.27	7.19	7.14	7.10	7.07	
	26.01	5362.869	3.199	−2.616				**228.0**				8.02	7.54							
	26.01	5414.073	3.221	−3.645	8.56	−6.53	−7.88	123.0	9.00	8.78	8.19	7.75	7.53	7.41	7.33	7.29	7.25	7.23	7.21	
	26.01	5425.257	3.199	−3.390	8.47	−6.53	−7.89	153.0	9.08	8.93	8.43	7.87	7.54	7.35	7.25	7.18	7.13	7.10	7.07	
	26.01	5427.826	6.724	−1.581	8.53	−6.50	−7.89	26.0	7.88	7.79	7.68	7.62	7.58	7.56	7.54	7.53	7.52	7.51	7.51	
	26.01	5525.125	3.267	−4.102	8.56	−6.51	−7.88	86.0	8.89	8.53	8.04	7.80	7.68	7.62	7.58	7.55	7.53	7.51	7.50	
syn	26.01	5534.847	3.245	−2.865	8.47	−6.51	−7.88	227.0			syn	7.80								
	26.01	5591.368	3.267	−4.590	8.47	−6.51	−7.88	51.0	8.40	8.17	7.96	7.86	7.81	7.78	7.76	7.74	7.73	7.73	7.72	
	26.01	5722.564	3.387	−5.153	8.56	−6.51	−7.87	15.0	7.94	7.91	7.87	7.85	7.84	7.84	7.83	7.83	7.83	7.83	7.82	
	26.01	5725.963	3.425	−4.820	8.47	−6.52	−7.88	26.0	8.02	7.95	7.87	7.84	7.81	7.80	7.79	7.78	7.78	7.78	7.78	
	26.01	5732.724	3.387	−4.636	8.47	−6.51	−7.88	39.0	8.18	8.04	7.91	7.84	7.81	7.79	7.77	7.76	7.75	7.75	7.74	
	26.01	5991.376	3.153	−3.647	8.56	−6.52	−7.89	138.0	9.00	8.81	8.28	7.81	7.56	7.42	7.34	7.28	7.25	7.22	7.19	
	26.01	6044.545	3.153	−5.494	8.57	−6.52	−7.89	14.0	8.01	7.98	7.95	7.93	7.92	7.91	7.91	7.91	7.90	7.90	7.90	
	26.01	6045.465	6.209	−2.549	8.68	−6.52	−7.87	14.0	7.91	7.87	7.82	7.80	7.78	7.77	7.76	7.76	7.76	7.75	7.75	
	26.01	6084.111	3.199	−3.881	8.56	−6.53	−7.89	112.0	8.96	8.69	8.13	7.77	7.60	7.51	7.45	7.41	7.38	7.36	7.34	
	26.01	6149.258	3.889	−2.841	8.51	−6.52	−7.87	152.0	9.04	8.88	8.41	7.91	7.60	7.43	7.33	7.26	7.21	7.18	7.15	
	26.01	6150.098	3.221	−4.817	8.56	−6.53	−7.89	41.0	8.23	8.08	7.95	7.88	7.84	7.82	7.81	7.80	7.79	7.78	7.78	
	26.01	6239.366	2.807	−4.758	8.49	−6.53	−7.91	61.0	8.34	8.06	7.80	7.68	7.62	7.58	7.56	7.54	7.53	7.52	7.51	
	26.01	6307.529	2.828	−5.566	8.49	−6.53	−7.90	25.0	8.13	8.06	8.00	7.97	7.95	7.94	7.93	7.92	7.92	7.91	7.91	
	26.01	6369.462	2.891	−4.231	8.49	−6.50	−7.90	110.0	8.98	8.68	8.11	7.77	7.61	7.52	7.47	7.43	7.41	7.39	7.37	
	26.01	6432.680	2.891	−3.687	8.49	−6.50	−7.90	174.0	9.05	8.93	8.50	7.97	7.63	7.43	7.31	7.23	7.18	7.14	7.11	
	26.01	6442.955	5.549	−2.671	8.47	−6.38	−7.77	35.0	8.15	8.02	7.89	7.82	7.78	7.76	7.74	7.73	7.72	7.71	7.70	
	26.01	6446.410	6.223	−2.082	8.64	−6.52	−7.87	33.0	8.13	8.02	7.89	7.82	7.78	7.75	7.73	7.72	7.71	7.70	7.69	
	26.01	6506.333	5.589	−2.899	8.47	−6.56	−7.76	21.0	7.96	7.90	7.83	7.79	7.77	7.76	7.75	7.74	7.73	7.73	7.73	
	26.01	6516.080	2.891	−3.432	8.49	−6.50	−7.90	200.0	8.94	8.85	8.52	8.01	7.60	7.35	7.20	7.10	7.04	6.99	6.96	**
				7.500					**8.57**	**8.40**	**8.08**	**7.86**	**7.69**	**7.59**	**7.53**	**7.50**	**7.48**	**7.46**	**7.44**	
del									5.84	4.86	1.92	0.72	0.72	1.08	1.57	1.95	2.23	2.45	2.62	
del																				
	26.01	*4287.394*	*0.000*	***−7.493***	*0.73*	*−6.50*	*−7.89*	*77.0*	*9.51*	*8.80*	*8.21*	*8.00*	*7.91*	*7.86*	*7.82*	*7.80*	*7.79*	*7.78*	*7.77*	
	26.01	*4508.288*	*2.856*	*−2.349*	*8.56*	*−6.53*	*−7.87*	***260.0***	*8.36*	*8.33*	*8.21*	*7.95*	*7.50*	*7.05*	*6.72*	*6.50*	*6.36*	*6.26*	*6.19*	*blend 止める？*

								deform!												
	26.01	4620.521	2.828	−3.315	8.56	−6.53	−7.88	**172.0**	8.86	8.77	8.43	7.84	7.40	7.14	6.99	6.90	6.84	6.80	6.77	
	26.01	4923.927	2.891	−1.504	8.52	−6.50	−7.88	**400.0**	7.91	7.89	7.85	7.74	7.56	7.28	6.92	6.57	6.30	6.09	5.93	syn
	26.01	5018.440	2.891	−1.345	8.52	−6.50	−7.89	**450.0**	7.85	7.82	7.79	7.70	7.58	7.37	7.06	6.72	6.42	6.18	5.99	syn
	26.01	*5036.920*	*2.828*	*−4.732*	*8.51*	*−6.53*	*−7.89*	*66.0*	*8.66*	*8.30*	*7.95*	*7.80*	*7.72*	*7.68*	*7.65*	*7.63*	*7.62*	*7.61*	*7.60*	
	26.01	5234.625	3.221	−2.279	8.47	−6.53	−7.88	**252.0**	8.56	8.52	8.36	8.01	7.52	7.11	6.84	6.66	6.54	6.45	6.39	
	26.01	5362.869	3.199	−2.616	8.56	−6.53	−7.88	**240.0**	8.73	8.68	8.50	8.14	7.67	7.29	7.05	6.89	6.78	6.71	6.65	
	26.01	*6456.383*	*3.903*	*−2.185*	*8.51*	*−6.52*	*−7.87*	***232.0***	*8.82*	*8.75*	*8.54*	*8.13*	*7.69*	*7.37*	*7.17*	*7.03*	*6.94*	*6.87*	*6.82*	***
									上が欠けていて難しい！			*止める？*								
	27.00	4792.846	3.252	−0.067	8.04	−5.62	−7.72	36.0	5.23	5.08	4.96	4.90	4.87	4.85	4.84	4.83	4.82	4.82	4.81	
	27.00	4813.467	3.216	0.050	8.04	−5.63	−7.72	53.0	5.68	5.35	5.09	4.99	4.94	4.91	4.89	4.87	4.86	4.85	4.85	
	27.00	5342.695	4.021	0.690	8.33	−4.93	−7.82	39.0	5.26	5.10	4.96	4.90	4.86	4.84	4.83	4.82	4.81	4.80	4.80	
	27.00	5352.045	3.576	0.060	7.84	−5.39	−7.24	29.0	5.15	5.06	4.97	4.93	4.91	4.89	4.88	4.88	4.87	4.87	4.87	
	27.00	5647.234	2.280	−1.560	8.22	−6.25	−7.61	15.0	5.03	5.00	4.96	4.95	4.94	4.93	4.93	4.93	4.92	4.92	4.92	
	27.00	6188.996	1.710	−2.450	7.35	−6.37	−7.73	14.0	5.28	5.25	5.22	5.21	5.20	5.19	5.19	5.19	5.18	5.18	5.18	
	27.00	6771.033	1.883	−1.970	7.35	−6.26	−7.76	27.0	5.36	5.28	5.22	5.19	5.17	5.15	5.15	5.14	5.14	5.13	5.13	
				4.920					**5.28**	**5.16**	**5.05**	**5.01**	**4.98**	**4.97**	**4.96**	**4.95**	**4.94**	**4.94**	**4.94**	
	28.00	4333.201	4.105	−0.585	8.37	−4.33	−7.56	54.0	7.09	6.76	6.46	6.34	6.28	6.25	6.22	6.21	6.20	6.19	6.18	d_lambda **
	28.00	4604.982	3.480	−0.250	8.05	−5.70	−7.26	126.0	7.82	7.60	6.88	6.29	6.02	5.88	5.80	5.75	5.72	5.69	5.67	bl
	28.00	4703.803	3.658	−0.735	8.26	−5.36	−7.81	80.0	7.64	7.16	6.58	6.33	6.23	6.17	6.13	6.11	6.09	6.07	6.06	syn
	28.00	4756.510	3.480	−0.270	8.04	−5.71	−7.28	120.0	7.75	7.48	6.74	6.21	5.96	5.84	5.77	5.73	5.69	5.67	5.65	
	28.00	4806.984	3.679	−0.640	8.07	−5.68	−7.26	88.0	7.73	7.29	6.64	6.35	6.22	6.15	6.11	6.08	6.06	6.05	6.03	
	28.00	4829.016	3.542	−0.330	8.25	−4.80	−7.22	118.0	7.67	7.44	6.77	6.28	6.06	5.94	5.87	5.83	5.80	5.78	5.76	
	28.00	4852.547	3.542	−1.070	8.24	−4.89	−7.23	57.0	7.05	6.71	6.41	6.29	6.23	6.19	6.17	6.15	6.14	6.13	6.13	clean ** H−
	28.00	4913.968	3.743	−0.630	8.26	−4.91	−7.24	81.0	7.50	7.09	6.54	6.30	6.20	6.14	6.10	6.08	6.06	6.05	6.03	
	28.00	4935.831	3.941	−0.350	7.92	−5.84	−7.19	81.0	7.49	7.03	6.46	6.22	6.11	6.05	6.01	5.98	5.97	5.95	5.94	
	28.00	4937.341	3.606	−0.390	7.95	−4.06	−7.21	117.0	7.68	7.44	6.83	6.37	6.16	6.05	5.98	5.94	5.91	5.89	5.87	
	28.00	4998.218	3.606	−0.690	8.07	−5.71	−7.28	75.0	7.31	6.85	6.36	6.16	6.06	6.01	5.98	5.96	5.94	5.93	5.92	
	28.00	5017.568	3.539	−0.020	8.06	−5.69	−7.29	138.0	7.68	7.49	6.84	6.23	5.92	5.76	5.67	5.62	5.58	5.55	5.53	**
	28.00	5032.723	3.898	−1.270	8.12	−5.70	−7.23	34.0	6.76	6.63	6.52	6.47	6.44	6.42	6.41	6.40	6.39	6.39	6.38	
	28.00	5035.357	3.635	0.290	8.19	−5.23	−7.23	154.0	7.49	7.36	6.86	6.24	5.86	5.67	5.56	5.49	5.44	5.41	5.38	
	28.00	5081.107	3.847	0.300	8.21	−5.44	−7.23	145.0	7.60	7.44	6.90	6.30	5.96	5.79	5.69	5.63	5.59	5.56	5.53	clean
	28.00	5082.339	3.658	−0.540	8.24	−4.89	−7.23	82.0	7.32	6.91	6.37	6.13	6.02	5.97	5.93	5.90	5.89	5.87	5.86	
	28.00	5084.089	3.679	0.030	8.12	−4.06	−7.22	128.0	7.39	7.20	6.65	6.15	5.90	5.77	5.69	5.64	5.61	5.58	5.56	
	28.00	5088.532	3.847	−0.980	8.22	−5.59	−7.81	38.0	6.55	6.39	6.25	6.19	6.16	6.14	6.12	6.11	6.11	6.10	6.10	
	28.00	5088.953	3.679	−1.340	8.11	−5.07	−7.22	39.0	6.77	6.61	6.47	6.41	6.37	6.35	6.34	6.33	6.32	6.31	6.31	
	28.00	5094.406	3.833	−1.080	8.08	−4.91	−7.24	38.0	6.63	6.47	6.34	6.28	6.24	6.22	6.21	6.20	6.19	6.19	6.18	
	28.00	5099.927	3.679	−0.100	8.12	−4.80	−7.22	119.0	7.58	7.32	6.65	6.17	5.94	5.83	5.76	5.72	5.69	5.67	5.65	
	28.00	5115.389	3.834	−0.110	7.86	−5.66	−7.25	111.0	7.76	7.43	6.67	6.23	6.03	5.93	5.87	5.83	5.80	5.78	5.76	
	28.00	5155.762	3.898	0.011	8.12	−4.98	−7.22	108.0	7.53	7.22	6.54	6.13	5.94	5.84	5.79	5.75	5.72	5.70	5.69	
	28.00	5176.559	3.898	−0.440	8.12	−5.36	−7.23	78.0	7.37	6.94	6.43	6.21	6.11	6.06	6.02	6.00	5.98	5.97	5.96	
	28.00	5186.553	3.898	−1.533	8.19	−6.06	−7.82	23.0	6.67	6.61	6.54	6.51	6.49	6.48	6.47	6.47	6.47	6.46	6.46	
	28.00	5589.357	3.898	−1.140	8.11	−5.80	−7.22	38.0	6.72	6.57	6.44	6.38	6.34	6.32	6.31	6.30	6.29	6.29	6.28	
	28.00	5593.733	3.898	−0.840	8.12	−5.07	−7.22	56.0	7.00	6.70	6.44	6.32	6.27	6.23	6.21	6.20	6.19	6.18	6.17	
	28.00	5614.768	4.154	−0.508	8.31	−5.68	−7.72	56.0	6.93	6.62	6.35	6.24	6.18	6.15	6.12	6.11	6.10	6.09	6.08	
	28.00	5682.198	4.105	−0.470	8.32	−5.44	−7.22	63.0	7.04	6.69	6.37	6.23	6.17	6.13	6.10	6.08	6.07	6.06	6.05	
	28.00	5748.346	1.676	−3.260	7.63	−6.31	−7.68	42.0	6.75	6.58	6.44	6.38	6.35	6.33	6.31	6.31	6.30	6.29	6.29	
	28.00	5754.655	1.935	−2.330	8.20	−6.12	−7.63	109.0	7.94	7.54	6.83	6.47	6.31	6.23	6.18	6.15	6.13	6.11	6.10	
	28.00	5760.828	4.105	−0.800	8.29	−5.67	−7.25	48.0	6.88	6.65	6.46	6.37	6.32	6.30	6.28	6.27	6.26	6.25	6.25	
	28.00	5996.727	4.236	−1.060	8.28	−4.64	−7.22	25.0	6.54	6.47	6.40	6.37	6.35	6.34	6.33	6.32	6.32	6.31	6.31	
	28.00	6007.306	1.676	−3.330	6.97	−6.40	−7.81	38.0	6.68	6.54	6.43	6.38	6.35	6.33	6.32	6.31	6.30	6.30	6.29	
	28.00	6086.276	4.266	−0.530	8.40	−4.64	−7.22	57.0	7.00	6.72	6.47	6.36	6.30	6.26	6.24	6.23	6.21	6.21	6.20	
	28.00	6108.107	1.676	−2.450	7.69	−6.30	−7.70	94.0	7.59	7.02	6.40	6.14	6.02	5.96	5.92	5.90	5.88	5.87	5.86	
	28.00	6111.066	4.088	−0.870	8.16	−4.06	−7.21	41.0	6.67	6.51	6.37	6.31	6.27	6.25	6.24	6.23	6.22	6.21	6.21	
	28.00	6176.807	4.088	−0.260	8.16	−5.21	−7.22	94.0	7.56	7.19	6.62	6.34	6.21	6.14	6.09	6.06	6.04	6.03	6.01	
	28.00	6186.709	4.105	−0.960	8.31	−4.80	−7.22	39.0	6.72	6.57	6.44	6.38	6.35	6.33	6.31	6.30	6.30	6.29	6.29	
	28.00	6204.600	4.088	−1.100	8.24	−5.72	−7.28	31.0	6.61	6.51	6.42	6.37	6.35	6.33	6.32	6.31	6.31	6.30	6.30	
	28.00	6223.981	4.105	−0.910	8.32	−5.23	−7.22	35.0	6.55	6.43	6.32	6.27	6.24	6.22	6.21	6.20	6.19	6.19	6.18	
	28.00	6322.164	4.154	−1.170	8.31	−5.07	−7.22	25.0	6.56	6.49	6.42	6.39	6.37	6.35	6.35	6.34	6.33	6.33	6.33	**
	28.00	6366.476	4.167	−1.064	8.34	−5.07	−7.82	43.0	7.00	6.82	6.67	6.59	6.56	6.53	6.52	6.51	6.50	6.49	6.49	
	28.00	6378.247	4.154	−0.830	8.32	−5.23	−7.22	42.0	6.72	6.55	6.40	6.33	6.30	6.27	6.26	6.25	6.24	6.23	6.23	
	28.00	6384.663	4.154	−1.130	8.32	−5.79	−7.23	36.0	6.84	6.71	6.60	6.54	6.51	6.49	6.48	6.47	6.46	6.46	6.45	**
	28.00	6424.847	4.167	−1.584	8.33	−4.89	−7.82	21.0	6.85	6.80	6.75	6.72	6.70	6.69	6.68	6.68	6.67	6.67	6.67	
	28.00	6635.118	4.419	−0.820	8.18	−5.45	−7.23	30.0	6.60	6.50	6.42	6.37	6.35	6.33	6.32	6.31	6.31	6.30	6.30	
	28.00	6643.629	1.676	−2.300	8.00	−6.31	−7.73	138.0	7.99	7.67	6.90	6.42	6.19	6.07	6.00	5.96	5.93	5.90	5.89	
	28.00	6767.768	1.826	−2.170	8.01	−6.14	−7.81	134.0	7.95	7.61	6.84	6.39	6.17	6.06	5.99	5.95	5.92	5.90	5.88	
	28.00	6772.313	3.658	−0.980	8.18	−5.45	−7.23	74.0	7.29	6.93	6.54	6.37	6.29	6.25	6.22	6.20	6.18	6.17	6.16	
				6.250					**7.18**	**6.93**	**6.55**	**6.32**	**6.21**	**6.16**	**6.12**	**6.10**	**6.08**	**6.07**	**6.06**	
	29.00	5105.537	1.389	−1.516	0.00	0.00	0.00	114.0	5.92	5.49	4.59	4.13	3.94	3.85	3.79	3.76	3.73	3.71	3.70	
				4.210					**5.92**	**5.49**	**4.59**	**4.13**	**3.94**	**3.85**	**3.79**	**3.76**	**3.73**	**3.71**	**3.70**	
	30.00	4722.153	4.030	−0.338	0.00	0.00	0.00	130.0	6.28	6.04	5.22	4.58	4.28	4.14	4.06	4.01	3.98	3.95	3.93	
	30.00	4810.528	4.078	−0.137	0.00	0.00	0.00	133.0	6.14	5.92	5.10	4.45	4.15	4.00	3.92	3.87	3.83	3.80	3.78	
	30.00	6362.338	5.796	0.150	0.00	0.00	0.00	28.0	4.57	4.46	4.37	4.33	4.30	4.29	4.28	4.27	4.26	4.26	4.26	****
				4.600					**5.66**	**5.47**	**4.90**	**4.45**	**4.24**	**4.14**	**4.09**	**4.05**	**4.02**	**4.00**	**3.99**	
syn	38.01	4161.790						syn				2.74								
syn	38.01	4215.519	0.000	−0.145				syn				2.84								
				2.240								**2.79**								

syn	39.01	4883.684	1.084	0.070	0.00	0.00	0.00	223.0			syn	2.64								
	39.01	5087.416	1.084	−0.170	0.00	0.00	0.00	177.0	4.08	3.96	3.39	2.55	2.07	1.82	1.69	1.60	1.55	1.51	1.48	syn
	39.01	5119.112	0.992	−1.360	0.00	0.00	0.00	84.0	4.12	3.42	2.67	2.40	2.30	2.24	2.21	2.18	2.17	2.15	2.14	
	39.01	5200.406	0.992	−0.570	0.00	0.00	0.00	164.0	4.30	4.15	3.44	2.63	2.22	2.02	1.90	1.84	1.79	1.76	1.73	syn
	39.01	5289.815	1.033	−1.850	0.00	0.00	0.00	48.0	3.27	2.84	2.59	2.50	2.45	2.43	2.41	2.40	2.39	2.39	2.38	
	39.01	5402.774	1.839	−0.510	0.00	0.00	0.00	96.0	4.31	3.72	2.85	2.51	2.37	2.29	2.25	2.22	2.20	2.18	2.17	
	39.01	5544.611	1.738	−1.090	0.00	0.00	0.00	73.0	4.18	3.48	2.91	2.71	2.63	2.58	2.56	2.54	2.52	2.51	2.50	
syn	39.01	5546.009	1.748	−1.100	0.00	0.00	0.00	84.0			syn	2.74								
	39.01	5728.890	1.839	−1.120	0.00	0.00	0.00	53.0	3.50	3.00	2.70	2.59	2.54	2.52	2.50	2.48	2.47	2.47	2.46	
	39.01	6613.733	1.748	−1.110	0.00	0.00	0.00	72.0	3.97	3.32	2.83	2.66	2.58	2.54	2.51	2.49	2.48	2.47	2.46	
	39.01	6795.414	1.738	−1.190	0.00	0.00	0.00	70.0	3.94	3.31	2.85	2.70	2.62	2.58	2.56	2.54	2.53	2.52	2.51	
				2.240					**3.96**	**3.47**	**2.91**	**2.60**	**2.42**	**2.34**	**2.29**	**2.25**	**2.23**	**2.22**	**2.20**	
	40.01	4208.977	0.713	−0.510	0.00	0.00	0.00	170.0	4.59	4.48	4.05	3.19	2.63	2.35	2.20	2.11	2.06	2.02	1.99	
	40.01	4293.117	1.743	−1.010	0.00	0.00	0.00	104.0	5.49	5.14	4.14	3.62	3.42	3.33	3.27	3.23	3.21	3.19	3.17	syn:too wea
	40.01	4613.946	0.972	−1.540	0.00	0.00	0.00	84.0	4.88	4.23	3.38	3.09	2.98	2.91	2.88	2.85	2.84	2.82	2.81	**
	40.01	5112.270	1.665	−0.850	0.00	0.00	0.00	79.0	4.64	3.92	3.22	2.98	2.88	2.82	2.79	2.77	2.75	2.74	2.73	bl
	40.01	6114.852	1.665	−1.400	0.00	0.00	0.00	19.0	2.74	2.66	2.61	2.58	2.57	2.56	2.55	2.55	2.55	2.55	2.54	d_lambda
				2.600					**4.47**	**4.09**	**3.48**	**3.09**	**2.89**	**2.79**	**2.74**	**2.70**	**2.68**	**2.66**	**2.65**	
	56.01	4166.000	2.722	−0.420	0.00	0.00	0.00	59.0	4.08	3.27	2.62	2.44	2.37	2.33	2.31	2.29	2.28	2.27	2.26	
syn	56.01	4554.029	0.000	0.170	0.00	0.00	−7.65	410.0			syn	2.93	too broad							
	56.01	4934.076	0.000	−0.150	0.00	0.00	−7.65	404.0	3.25	3.22	3.17	3.04	2.78	2.30	1.75	1.34	1.06	0.86	0.71	1.7 dex
	56.01	5853.668	0.604	−1.000	0.00	0.00	−7.58	247.0	4.15	4.09	3.80	3.13	2.46	2.07	1.84	1.70	1.61	1.54	1.50	+2.4 dex
	56.01	6141.713	0.704	−0.076	0.00	0.00	−7.58	350.0	3.64	3.58	3.46	3.18	2.61	2.04	1.65	1.39	1.21	1.08	0.99	core−wing
syn	56.01	6496.897	0.604	−0.377	0.00	0.00	−7.58	340.0			syn	3.13								
				2.130					**3.78**	**3.54**	**3.26**	**2.97**	**2.56**	**2.18**	**1.89**	**1.68**	**1.54**	**1.44**	**1.37**	
syn	57.01	4238.374	0.403	−0.220	0.00	0.00	0.00	166.0			syn	1.97								
	57.01	4322.500	0.173	−0.930	0.00	0.00	0.00	86.0	3.55	3.00	1.93	1.57	1.44	1.38	1.34	1.32	1.30	1.28	1.27	
syn	57.01	4333.750	0.173	−0.060	0.00	0.00	0.00	189.0			syn	1.97								
	57.01	4559.282	0.772	−1.302	0.00	0.00	0.00	25.0	2.05	1.81	1.71	1.66	1.64	1.63	1.62	1.62	1.61	1.61	1.61	
	57.01	4716.440	0.772	−1.210	0.00	0.00	0.00	31.0	2.25	1.88	1.73	1.67	1.65	1.63	1.62	1.61	1.61	1.60	1.60	
	57.01	4748.726	0.927	−0.540	0.00	0.00	0.00	51.0	2.82	1.97	1.56	1.45	1.40	1.37	1.35	1.34	1.33	1.32	1.32	
	57.01	4934.829	1.252	−0.350	0.00	0.00	0.00	32.0	1.89	1.50	1.34	1.28	1.26	1.24	1.23	1.22	1.22	1.21	1.21	bl
	57.01	5114.559	0.235	−1.030	0.00	0.00	0.00	91.0	3.67	3.02	2.01	1.68	1.55	1.49	1.45	1.43	1.41	1.40	1.39	
	57.01	5163.610	0.244	−1.810	0.00	0.00	0.00	29.0	2.14	1.85	1.72	1.68	1.65	1.64	1.63	1.62	1.62	1.62	1.61	clean
	57.01	5290.818	0.000	−1.650	0.00	0.00	0.00	39.0	2.22	1.69	1.49	1.43	1.39	1.37	1.36	1.35	1.35	1.34	1.34	
	57.01	5482.268	0.000	−2.230	0.00	0.00	0.00	20.0	1.87	1.73	1.66	1.64	1.62	1.61	1.61	1.60	1.60	1.60	1.60	
	57.01	5805.770	0.126	−1.560	0.00	0.00	0.00	56.0	3.00	2.15	1.76	1.64	1.59	1.56	1.54	1.53	1.52	1.51	1.51	
	57.01	5880.630	0.235	−1.830	0.00	0.00	0.00	27.0	1.97	1.74	1.64	1.60	1.58	1.56	1.56	1.55	1.55	1.54	1.54	
	57.01	5936.210	0.173	−2.070	0.00	0.00	0.00	15.0	1.63	1.54	1.50	1.48	1.47	1.46	1.46	1.46	1.45	1.45	1.45	
	57.01	6262.287	0.403	−1.220	0.00	0.00	0.00	81.0	3.67	2.78	2.04	1.82	1.73	1.68	1.65	1.63	1.62	1.61	1.60	broad
	57.01	6320.376	0.173	−1.562	0.00	0.00	0.00	60.0	3.10	2.24	1.82	1.70	1.64	1.61	1.59	1.58	1.57	1.56	1.55	
	57.01	6390.477	0.321	−1.410	0.00	0.00	0.00	55.0	2.88	2.10	1.74	1.63	1.58	1.56	1.54	1.53	1.52	1.51	1.50	
	57.01	6774.268	0.126	−1.708	0.00	0.00	0.00	48.0	2.58	1.96	1.70	1.62	1.58	1.56	1.54	1.53	1.53	1.52	1.51	syn
				1.170					**2.58**	**2.06**	**1.71**	**1.62**	**1.55**	**1.52**	**1.51**	**1.49**	**1.49**	**1.48**	**1.48**	
	58.01	4222.597	0.122	0.020	0.00	0.00	0.00	133.0	3.86	3.71	2.88	2.05	1.70	1.54	1.46	1.41	1.37	1.35	1.33	**** abunda
	58.01	4257.119	0.459	−0.850	0.00	0.00	0.00	15.0	1.66	1.56	1.51	1.48	1.47	1.46	1.46	1.46	1.45	1.45	1.45	
	58.01	4336.244	0.704	−0.610	0.00	0.00	0.00	36.0	2.83	2.25	2.03	1.96	1.93	1.91	1.90	1.89	1.88	1.88	1.87	**
	58.01	4349.768	0.529	−0.520	0.00	0.00	0.00	68.0	3.95	3.11	2.31	2.10	2.02	1.98	1.95	1.93	1.92	1.91	1.90	*
	58.01	4364.652	0.495	−0.230	0.00	0.00	0.00	78.0	3.83	3.13	2.17	1.89	1.78	1.73	1.70	1.67	1.66	1.64	1.64	bl
	58.01	4418.780	0.864	0.280	0.00	0.00	0.00	82.0	3.74	3.11	2.10	1.78	1.67	1.61	1.57	1.55	1.53	1.52	1.51	
	58.01	4483.893	0.864	0.150	0.00	0.00	0.00	99.0	4.09	3.69	2.59	2.11	1.94	1.86	1.81	1.78	1.76	1.74	1.73	syn
	58.01	4486.909	0.295	−0.260	0.00	0.00	0.00	107.0	4.04	3.71	2.60	2.05	1.86	1.76	1.71	1.68	1.65	1.64	1.62	
	58.01	4515.848	1.058	−0.240	0.00	0.00	0.00	25.0	2.09	1.84	1.73	1.69	1.67	1.66	1.65	1.64	1.64	1.64	1.63	syn
	58.01	4536.888	1.520	−1.050	0.00	0.00	0.00	11.0	2.66	2.60	2.56	2.55	2.54	2.53	2.53	2.52	2.52	2.52	2.52	
	58.01	4560.958	0.684	−0.170	0.00	0.00	0.00	89.0	4.10	3.54	2.48	2.12	1.98	1.92	1.88	1.85	1.83	1.82	1.81	
	58.01	4562.359	0.478	0.230	0.00	0.00	0.00	124.0	3.89	3.65	2.67	1.97	1.69	1.57	1.50	1.46	1.43	1.41	1.39	
	58.01	4795.184	0.559	−1.410	0.00	0.00	0.00	8.0	1.87	1.83	1.80	1.79	1.79	1.78	1.78	1.78	1.77	1.77	1.77	
	58.01	4914.924	0.879	−0.770	0.00	0.00	0.00	24.0	2.34	2.12	2.03	1.99	1.97	1.96	1.95	1.95	1.94	1.94	1.94	clean
	58.01	4943.441	1.206	−0.360	0.00	0.00	0.00	29.0	2.49	2.18	2.05	2.00	1.97	1.96	1.95	1.94	1.94	1.94	1.93	
	58.01	5117.169	1.402	−0.050	0.00	0.00	0.00	31.0	2.46	2.10	1.96	1.90	1.88	1.86	1.85	1.85	1.84	1.84	1.83	
	58.01	5187.458	1.212	0.150	0.00	0.00	0.00	61.0	3.53	2.62	2.08	1.93	1.87	1.83	1.81	1.79	1.78	1.77	1.77	
	58.01	5330.556	0.869	−0.460	0.00	0.00	0.00	45.0	3.03	2.35	2.07	1.99	1.95	1.92	1.91	1.90	1.89	1.88	1.88	
	58.01	5472.279	1.247	−0.100	0.00	0.00	0.00	39.0	2.71	2.19	1.97	1.91	1.87	1.85	1.84	1.83	1.82	1.82	1.81	
	58.01	5518.489	1.155	−0.670	0.00	0.00	0.00	20.0	2.27	2.13	2.05	2.03	2.01	2.00	2.00	1.99	1.99	1.99	1.99	Ce 2
syn	58.01	5613.694	1.420	−0.470	0.00	0.00	0.00	11.0			syn	1.88								
	58.01	5975.818	1.327	−0.460	0.00	0.00	0.00	20.0	2.20	2.06	1.98	1.96	1.94	1.93	1.93	1.92	1.92	1.92	1.92	
	58.01	6043.373	1.206	−0.500	0.00	0.00	0.00	23.0	2.24	2.06	1.98	1.94	1.92	1.91	1.91	1.90	1.90	1.90	1.89	clean
syn	58.01	6466.888	1.770	−0.580	0.00	0.00	0.00	21.0			syn	2.18								
				1.580					**2.99**	**2.61**	**2.16**	**1.97**	**1.88**	**1.84**	**1.82**	**1.80**	**1.79**	**1.78**	**1.78**	
syn	59.01	4222.934	0.055	0.018	0.00	0.00	0.00	123.0				1.26								
	59.01	4510.153	0.422	−0.298	0.00	0.00	0.00	55.0	2.82	1.89	1.39	1.26	1.21	1.18	1.16	1.14	1.13	1.13	1.12	
	59.01	5175.268	0.216	−1.241	0.00	0.00	0.00	11.0	1.19	1.13	1.09	1.08	1.07	1.07	1.06	1.06	1.06	1.05	1.05	
	59.01	5219.045	0.795	−0.254	0.00	0.00	0.00	23.0	1.34	1.15	1.06	1.02	1.01	0.99	0.99	0.98	0.98	0.98	0.97	
	59.01	5259.728	0.633	−0.038	0.00	0.00	0.00	38.0	1.70	1.18	0.98	0.91	0.88	0.86	0.85	0.84	0.83	0.83	0.82	
	59.01	5322.772	0.483	−0.461	0.00	0.00	0.00	31.0	1.59	1.25	1.12	1.07	1.04	1.03	1.02	1.01	1.01	1.00	1.00	
				0.710					**1.72**	**1.32**	**1.13**	**1.10**	**1.04**	**1.02**	**1.01**	**1.01**	**1.00**	**1.00**	**0.99**	

	60.01	4358.160	0.321	−0.160	0.00	−5.37	0.00	95.0	3.59	3.16	2.04	1.60	1.44	1.37	1.32	1.29	1.27	1.26	1.24	*
	60.01	4368.630	0.064	−0.810	0.00	0.00	0.00	47.0	2.74	1.85	1.50	1.40	1.35	1.33	1.31	1.30	1.29	1.28	1.28	
	60.01	4446.380	0.205	−0.350	0.00	0.00	0.00	99.0	3.71	3.30	2.17	1.70	1.53	1.45	1.41	1.38	1.36	1.34	1.33	syn
	60.01	4462.979	0.559	0.040	0.00	−5.34	0.00	113.0	3.81	3.52	2.46	1.85	1.62	1.52	1.46	1.42	1.40	1.38	1.36	syn
	60.01	4477.450	0.380	−1.330	0.00	0.00	0.00	32.0	2.64	2.21	2.05	1.99	1.97	1.95	1.94	1.93	1.93	1.92	1.92	
	60.01	4567.605	0.205	−1.310	0.00	0.00	0.00	24.0	2.00	1.77	1.67	1.64	1.62	1.61	1.60	1.59	1.59	1.58	1.58	
	60.01	4706.540	0.000	−0.710	0.00	0.00	0.00	90.0	3.71	3.11	2.05	1.70	1.57	1.51	1.47	1.45	1.43	1.41	1.40	
	60.01	4797.150	0.559	−0.690	0.00	0.00	0.00	47.0	2.96	2.15	1.82	1.72	1.68	1.66	1.64	1.63	1.62	1.61	1.61	syn
	60.01	4811.342	0.064	−1.015	0.00	0.00	0.00	78.0	3.86	3.05	2.16	1.92	1.82	1.77	1.74	1.72	1.71	1.70	1.69	
	60.01	4947.020	0.559	−1.130	0.00	0.00	0.00	24.0	2.12	1.91	1.81	1.77	1.76	1.74	1.74	1.73	1.73	1.72	1.72	
	60.01	4959.115	0.064	−0.800	0.00	0.00	0.00	85.0	3.75	3.02	2.05	1.76	1.65	1.60	1.56	1.54	1.53	1.51	1.50	
	60.01	4989.950	0.631	−0.624	0.00	0.00	0.00	65.0	3.67	2.73	2.10	1.93	1.86	1.82	1.80	1.78	1.77	1.76	1.76	
	60.01	5033.507	1.136	−0.470	0.00	0.00	0.00	29.0	2.28	1.96	1.83	1.78	1.75	1.74	1.73	1.72	1.72	1.72	1.71	clean
	60.01	5063.720	0.976	−0.620	0.00	0.00	0.00	25.0	2.07	1.83	1.73	1.69	1.67	1.66	1.65	1.64	1.64	1.64	1.63	clean
	60.01	5089.832	0.205	−1.098	0.00	0.00	0.00	33.0	2.16	1.75	1.60	1.54	1.52	1.50	1.49	1.48	1.48	1.47	1.47	
	60.01	5092.788	0.380	−0.610	0.00	0.00	0.00	66.0	3.41	2.46	1.83	1.67	1.60	1.56	1.53	1.52	1.51	1.50	1.49	
	60.01	5130.586	1.304	0.450	0.00	−5.61	0.00	82.0	3.64	2.89	1.99	1.71	1.61	1.55	1.52	1.50	1.48	1.47	1.46	syn
	60.01	5276.869	0.859	−0.668	0.00	0.00	0.00	30.0	2.21	1.88	1.75	1.70	1.68	1.66	1.65	1.65	1.64	1.64	1.63	
	60.01	5293.160	0.823	0.100	0.00	−5.74	0.00	106.0	3.84	3.38	2.28	1.84	1.67	1.58	1.54	1.50	1.48	1.47	1.45	
	60.01	5306.460	0.859	−0.970	0.00	0.00	0.00	14.0	1.77	1.68	1.64	1.62	1.61	1.60	1.60	1.60	1.59	1.59	1.59	
	60.01	5319.810	0.550	−0.140	0.00	−5.82	0.00	95.0	3.67	3.05	2.02	1.67	1.53	1.47	1.43	1.40	1.38	1.37	1.36	
	60.01	5385.888	0.742	−0.860	0.00	0.00	0.00	32.0	2.37	2.00	1.85	1.80	1.78	1.76	1.75	1.74	1.74	1.73	1.73	
	60.01	5416.374	0.859	−0.980	0.00	0.00	0.00	15.0	1.82	1.72	1.67	1.65	1.64	1.64	1.63	1.63	1.63	1.62	1.62	
	60.01	5431.516	1.121	−0.470	0.00	0.00	0.00	26.0	2.07	1.82	1.72	1.68	1.66	1.64	1.64	1.63	1.63	1.62	1.62	
	60.01	5485.696	1.264	−0.120	0.00	−5.65	0.00	38.0	2.46	1.94	1.74	1.67	1.64	1.62	1.61	1.60	1.59	1.59	1.58	
	60.01	5533.787	0.293	−0.280	0.00	0.00	0.00	23.0	0.89	0.71	0.62	**0.59**	0.57	0.56	0.55	0.55	0.55	0.54	0.54	
syn	60.01	5533.787	0.293	−0.280	0.00	0.00	0.00	23.0			syn	**1.80**								
	60.01	5740.858	1.160	−0.530	0.00	−5.70	0.00	28.0	2.23	1.95	1.83	1.79	1.77	1.76	1.75	1.74	1.74	1.74	1.73	
	60.01	5770.489	1.081	−0.985	0.00	0.00	0.00	15.0	2.02	1.92	1.87	1.86	1.84	1.84	1.83	1.83	1.83	1.83	1.83	
	60.01	5811.570	0.859	−0.860	0.00	0.00	0.00	19.0	1.84	1.71	1.65	1.62	1.61	1.60	1.59	1.59	1.59	1.59	1.58	
	60.01	5825.857	1.081	−0.660	0.00	−5.72	0.00	23.0	2.04	1.86	1.77	1.74	1.72	1.71	1.70	1.70	1.69	1.69	1.69	
	60.01	5900.406	0.933	−1.350	0.00	0.00	0.00	37.0	3.23	2.77	2.59	2.53	2.50	2.48	2.47	2.46	2.45	2.45	2.44	
syn	60.01	5900.406									syn	1.70								
	60.01	5989.378	0.745	−1.339	0.00	0.00	0.00	18.0	2.15	2.03	1.97	1.95	1.93	1.92	1.92	1.92	1.91	1.91	1.91	
	60.01	6365.537	0.933	−1.200	0.00	−5.80	0.00	8.5	1.69	1.65	1.63	1.61	1.61	1.61	1.60	1.60	1.60	1.60	1.60	
	60.01	6637.960	1.773	−0.320	0.00	0.00	0.00	13.0	1.89	1.81	1.77	1.75	1.74	1.73	1.73	1.73	1.73	1.73	1.73	
	60.01	6740.078	0.064	−1.526	0.00	0.00	0.00	26.0	1.91	1.70	1.61	1.57	1.56	1.54	1.54	1.53	1.53	1.52	1.52	clean
				1.500					**2.63**	**2.24**	**1.85**	**1.72**	**1.66**	**1.63**	**1.61**	**1.60**	**1.59**	**1.59**	**1.58**	
	62.01	4262.669	0.378	−0.490	0.00	0.00	0.00	51.0	2.77	1.81	1.35	1.23	1.18	1.15	1.13	1.11	1.10	1.10	1.09	
	62.01	4499.475	0.248	−0.870	0.00	0.00	0.00	32.0	1.84	1.39	1.23	1.17	1.14	1.13	1.12	1.11	1.10	1.10	1.10	Ce 2
	62.01	4523.909	0.434	−0.390	0.00	0.00	0.00	59.0	2.95	1.99	1.40	1.25	1.19	1.15	1.13	1.12	1.11	1.10	1.09	syn
	62.01	4536.510	0.104	−1.280	0.00	0.00	0.00	38.0	2.47	1.82	1.60	1.53	1.50	1.48	1.46	1.45	1.45	1.44	1.44	
	62.01	4537.940	0.485	−0.480	0.00	0.00	0.00	55.0	2.94	1.98	1.47	1.34	1.28	1.25	1.23	1.22	1.21	1.20	1.19	syn
	62.01	4566.200	0.333	−0.590	0.00	0.00	0.00	49.0	2.62	1.71	1.33	1.22	1.17	1.15	1.13	1.12	1.11	1.10	1.09	
	62.01	4577.688	0.248	−0.650	0.00	0.00	0.00	50.0	2.64	1.72	1.32	1.21	1.16	1.13	1.11	1.10	1.09	1.08	1.08	
	62.01	4642.228	0.378	−0.460	0.00	0.00	0.00	64.0	3.10	2.15	1.48	1.31	1.24	1.20	1.18	1.16	1.15	1.14	1.13	bl
	62.01	4791.579	0.104	−1.440	0.00	0.00	0.00	16.0	1.41	1.29	1.23	1.21	1.20	1.19	1.19	1.18	1.18	1.18	1.17	
	62.01	4948.630	0.544	−0.950	0.00	0.00	0.00	16.0	1.34	1.23	1.17	1.15	1.13	1.13	1.12	1.12	1.12	1.11	1.11	**
	62.01	6707.472	0.933	−1.910	0.00	0.00	0.00	15.0	2.50	2.41	2.36	**2.34**	2.33	2.32	2.32	2.31	2.31	2.31	2.31	
				1.010					**2.41**	**1.71**	**1.36**	**1.26**	**1.22**	**1.20**	**1.18**	**1.17**	**1.16**	**1.15**	**1.15**	
	63.01	5818.746	1.230	−1.250	0.00	0.00	0.00	7.5	1.20	1.16	1.14	1.13	1.13	1.12	1.12	1.12	1.12	1.12	1.12	
	63.01	6049.510	1.279	−0.800	0.00	0.00	0.00	9.0	0.89	0.83	0.81	0.79	0.79	0.79	0.79	0.78	0.78	0.78	0.78	d_lambda
	63.01	6437.640	1.320	−0.320	0.00	0.00	0.00	39.0	1.87	1.34	1.13	1.07	1.03	1.01	1.00	0.99	0.98	0.98	0.98	
	63.01	6645.064	1.380	0.120	0.00	0.00	0.00	57.0	2.30	1.44	1.03	0.91	0.85	0.82	0.80	0.79	0.78	0.77	0.76	
				0.510					**1.56**	**1.19**	**1.03**	**0.97**	**0.95**	**0.94**	**0.93**	**0.92**	**0.92**	**0.91**	**0.91**	
	64.01	4498.286	0.427	−1.080	0.00	0.00	0.00	14.0	1.45	1.34	1.29	1.27	1.26	1.25	1.25	1.24	1.24	1.24	1.24	
	64.01	5140.830	1.575	−0.840	0.00	0.00	0.00	22.0	2.67	2.46	2.36	2.33	2.31	2.30	2.29	2.29	2.28	2.28	2.28	clean
	64.01	5140.830									syn=	**0.42**		**relative to the Sun**						
				1.120					**2.06**	**1.90**	**1.83**	**1.80**	**1.79**	**1.78**	**1.77**	**1.77**	**1.76**	**1.76**	**1.76**	
	66.01	4503.231	0.928	−1.488	0.00	0.00	0.00	9.0	1.80	1.74	1.71	1.70	1.69	1.69	1.68	1.68	1.68	1.68	1.68	
				1.140					**1.80**	**1.74**	**1.71**	**1.70**	**1.69**	**1.69**	**1.68**	**1.68**	**1.68**	**1.68**	**1.68**	
	68.01	4675.618	1.323	−0.265	0.00	0.00	0.00	34.0	2.22	1.63	1.43	1.37	1.34	1.32	1.31	1.30	1.29	1.29	1.29	clean
				0.930					**2.22**	**1.63**	**1.43**	**1.37**	**1.34**	**1.32**	**1.31**	**1.30**	**1.29**	**1.29**	**1.29**	
	71.01	6221.890	1.542	−0.760	0.00	0.00	0.00	26.0	1.03	0.73	0.62	**0.58**	0.56	0.54	0.54	0.53	0.53	0.52	0.52	
syn	71.01	6221.890	1.542	−0.760	0.00	0.00	0.00	26.0			syn	**−0.96**		bl						
				−0.760								**−0.19**								