Table 11

NGC 5128 PN spectra – observed line fluxes.

		F56 #1 5615 (+297.6, −492.5)		F56 #2 5601 (+284.3, −465.9)		F56 #3 5621 (+287.4, −448.7)		F56 #4 5611 (+298.7, −405.0)		F56 #5 5608 (+268.9, −394.1)	
Species	λ (Å)	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±
[O II]	3727	38	32	43	10	84	20				
[Ne III]	3868	38	14	97	10	55	16	72	19	112	60
[Ne III] + Hε	3970			29	6						
Hδ	4101			22	8						
Hγ	4340	36	13	48	9	43	14	31	13	46	48
[O III]	4363			24	7						
He I	4471			5	3						
He II	4686			37	7						
Hβ	4861	100	0	100	0	100	0	100	0	100	0
[O III]	4959	298	27	469	32	276	35	332	49	549	64
[O III]	5007	867	69	1421	93	812	92	965	135	1606	174
He I	5876			8	4			24	7		
[N II]	6548	44	7	23	6	72	15	74	14		
Hα	6562	392	32	396	26	440	51	412	58	420	47
[N II]	6583	147	14	78	7	284	34	246	35	25	10
He I	6678			10	6						
[S II]	6716					39	30	21	8		
[S II]	6730	13	7			20	11	11	6		
[Ar III]	7133	17	10	12	4	21	11	59	13	39	34
[O II]	7325			22	6	104	35	28	12		
log $F(H\beta)$		−16.37	0.03	−16.06	0.03	−16.50	0.05	−16.39	0.06	−16.59	0.05
m_{5007A}		24.84	0.09	23.52	0.07	25.22	0.12	24.76	0.15	24.72	0.12

		F56 #6 5602 (+247.7, −372.5)		F56 #8 5425 (+260.2, −326.0)		F56 #9 5456 (+235.0, −312.2)		F56 #10 5416 (+241.5, −281.6)		F56 #11 5409 (+240.2, −279.3)	
Species	λ (Å)	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±
[O II]	3727	42	9	38	10			24	15	29	5
[Ne III]	3868	75	12	49	13			69	11	96	9
[Ne III] + Hε	3970	52	8	31	16			53	31	47	23
Hδ	4101	13	10	27	18			27	7	27	10
Hγ	4340	43	7	42	10			43	8	48	9
[O III]	4363									15	4
He I	4471										
He II	4686										
Hβ	4861	100	0	100	0	100	0	100	0	100	0

[O III]	4959	432	35	292	27	263	108	382	29	476	37
[O III]	5007	1273	100	865	78	794	311	1179	87	1370	103
He I	5876	14	3	33	8			26	8	11	7
[N II]	6548	39	5	76	9			29	5	59	11
Hα	6562	468	37	362	33	301	123	388	29	336	77
[N II]	6583	149	13	233	22	51	36	113	10	161	35
He I	6678	16	5	18	11						
[S II]	6716			13	4						
[S II]	6730			19	5			12	6	10	3
[Ar III]	7133	56	9	39	8			51	8	31	7
[O II]	7325	29	12	46	16			25	19		
log F(Hβ)		−16.08	0.03	−16.13	0.04	−17.37	0.19	−16.14	0.03	−16.12	0.03
m_{5007A}		23.70	0.09	24.23	0.10	27.43	0.48	23.93	0.08	23.71	0.08

		F56 #12a 5418 (+221.9, −245.1)		F56 #12b 5438 (+220.2, −242.0)		F56 #13b 5413 (+201.5, −225.7)		F56 #14 5408 (+183.5, −217.4)		F56 #15 5421 (+169.1, −200.2)	
Species	λ (Å)	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±
[O II]	3727	77	52	15	11	31	12	28	11		
[Ne III]	3868	129	27	32	11	82	14	84	11	55	12
[Ne III] + Hϵ	3970	66	49	27	14	40	13	50	40		
Hδ	4101			15	8			26	9	26	13
Hγ	4340	41	13	36	9	40	14	30	11	44	13
[O III]	4363										
He I	4471										
He II	4686	57	13			13	11				
Hβ	4861	100	0	100	0	100	0	100	0	100	0
[O III]	4959	684	97	180	20	529	50	445	41	366	45
[O III]	5007	1956	271	516	51	1540	140	1336	121	1083	128
He I	5876	20	11	16	8	15	6	23	6		
[N II]	6548	111	19	77	9			67	9	24	8
Hα	6562	420	59	365	36	383	36	382	35	415	49
[N II]	6583	335	48	266	26	34	7	194	19	63	10
He I	6678					11	4				
[S II]	6716										
[S II]	6730	12	9					11	5	20	8
[Ar III]	7133	31	8	32	7	19	8	33	7	21	8
[O II]	7325	69	20	20	12			58	15		
log F(Hβ)		−16.37	0.06	−16.17	0.04	−16.22	0.04	−16.11	0.04	−16.21	0.05
m_{5007A}		23.97	0.15	24.91	0.11	23.83	0.10	23.71	0.10	24.19	0.13

		F56 #16 5419 (+139.3, −175.8)		F56 #17 5428 (+146.7, −145.7)		F56 #18 5422 (+107.6, −151.4)					
Species	λ (Å)	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±				
[O II]	3727	41	16			26	18				
[Ne III]	3868	48	12	26	10	88	21				
[Ne III] + Hϵ	3970	16	7	18	10	29	15				
Hδ	4101										
Hγ	4340	37	7	30	8						
[O III]	4363										
He I	4471	20	7								
He II	4686										
Hβ	4861	100	0	100	0	100	0				
[O III]	4959	369	31	275	34	416	74				
[O III]	5007	1063	84	861	101	1315	230				

He I	5876	24	9	30	12	28	13		
[N II]	6548	36	7			102	23		
Hα	6562	415	34	356	42	447	79		
[N II]	6583	147	14			323	58		
He I	6678								
[S II]	6716								
[S II]	6730	11	6			30	11		
[Ar III]	7133	24	8						
[O II]	7325								
log F(Hβ)		−16.15	0.03	−16.19	0.05	−16.35	0.08		
m_{5007A}		24.07	0.09	24.41	0.13	24.34	0.19		

		F42 #1 4504 (−393.2, −84.9)		F42 #2 4502 (−362.5, −71.3)		F42 #3 4527 (−345.6, −126.0)		F42 #4 4506 (−318.8, −79.3)		F42 #6 0530 (−278.7, −34.0)	
Species	λ (Å)	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±
[O II]	3727			75	37			21	6	44	34
[Ne III]	3868	61	8	134	17	19	4	28	4	42	7
[Ne III] + Hϵ	3970	33	6	51	8			20	3		
Hδ	4101	17	5			19	10	17	4		
Hγ	4340	37	6	45	29	43	7	42	5	37	7
[O III]	4363										
He I	4471							5	2		
He II	4686			36	8						
Hβ	4861	100	0	100	0	100	0	100	0	100	0
[O III]	4959	350	24	625	60	182	13	222	12	289	25
[O III]	5007	1078	70	1872	177	582	38	663	33	778	64
He I	5876	28	8					7	2	32	11
[N II]	6548					65	9				
Hα	6562	367	25	462	46	437	29	361	18	349	30
[N II]	6583	78	7	231	26	203	15	147	8	18	7
[S II]	6716	20	5					6	2		
[S II]	6730	27	7					12	4	26	11
[Ar III]	7133	23	6			37	8	30	5		
[O II]	7325									37	6
log F(Hβ)		−16.56	0.03	−16.78	0.04	−16.62	0.03	−16.43	0.02	−16.62	0.04
m_{5007A}		25.09	0.07	25.04	0.10	25.89	0.07	25.27	0.05	25.59	0.09

		F42 #7 0519 (−253.4, −81.8)		F42 #8 4217 (−229.7, −119.5)		F42 #9 4244 (−209.0, −72.3)		F42 #10 4211 (−179.6, −119.8)		F42 #11 0509 (−165.4, −52.4)	
Species	λ (Å)	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±
[O II]	3727			40	7	12	8	48	4		
[Ne III]	3868	80	9	78	8	66	10	54	5	45	7
[Ne III] + Hϵ	3970	36	7	31	7	27	10	18	3		
Hδ	4101	20	6	18	6			22	5	19	5
Hγ	4340	40	7	39	7	50	33	44	7	43	10
[O III]	4363							10	6		
He I	4471										
He II	4686	23	8					20	4		
Hβ	4861	100	0	100	0	100	0	100	0	100	0
[O III]	4959	512	42	431	31	339	30	271	14	313	26
[O III]	5007	1522	121	1315	90	1081	90	827	41	973	78
He I	5876					29	12				
[N II]	6548							58	20	117	24
Hα	6562	410	34	390	28	412	37	447	23	372	33

[N II]	6583	142	16	161	14	118	14	278	15	226	21
He I	6678							15	4		
[S II]	6716							22	5		
[S II]	6730							37	7	16	7
[Ar III]	7133					48	10	29	6	84	25
[O II]	7325					72	31				
log $F(H\beta)$		−16.63	0.03	−16.60	0.03	−16.70	0.04	−16.38	0.02	−16.59	0.04
m_{5007A}		24.87	0.09	24.97	0.08	25.43	0.09	24.90	0.05	25.25	0.09
		F42 #12b 4214 (−135.0, −115.2)		F42 #13 4248 (−115.2, −103.1)		F42 #14b 4210 (−99.8, −73.0)		F42 #15b 4245 (−68.7, −65.2)		F42 #16a 4207 (−48.4, −102.4)	
Species	λ (Å)	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±
[O II]	3727			56	32	50	38			65	14
[Ne III]	3868	114	15	151	80	160	32	43	9	100	16
[Ne III] + Hϵ	3970	64	10	53	32					34	10
Hδ	4101										
Hγ	4340	40	12					31	17	44	15
[O III]	4363									19	8
He I	4471										
He II	4686	14	12	31	24	58	29				
Hβ	4861	100	0	100	0	100	0	100	0	100	0
[O III]	4959	569	57	690	356	796	140	270	33	574	74
[O III]	5007	1747	172	2185	1125	2438	426	872	101	1749	224
He I	5876										
[N II]	6548									64	16
Hα	6562	504	51	507	263	493	89	432	51	385	52
[N II]	6583	197	23	246	130	171	36			192	30
He I	6678										
[S II]	6716										
[S II]	6730							35	10		
[Ar III]	7133										
[O II]	7325									44	19
log $F(H\beta)$		−16.73	0.04	−17.10	0.22	−16.88	0.08	−16.64	0.05	−16.65	0.06
m_{5007A}		24.97	0.11	25.66	0.56	24.99	0.19	25.51	0.13	24.77	0.14
		F42 #17 4264 (−13.9, −166.9)		F42 #18 4212 (−5.9, −115.2)							
Species	λ (Å)	F_{Obs}	±	F_{Obs}	±						
[O II]	3727										
[Ne III]	3868			40	9						
[Ne III] + Hϵ	3970										
Hδ	4101										
Hγ	4340	34	8	46	11						
[O III]	4363										
He I	4471										
He II	4686			17	14						
Hβ	4861	100	0	100	0						
[O III]	4959	210	16	553	61						
[O III]	5007	608	42	1616	175						
He I	5876										
[N II]	6548	51	11								
Hα	6562	495	36	583	65						
[N II]	6583	191	18	69	16						
He I	6678										
[S II]	6716										

[S II]	6730										
[Ar III]	7133										
[O II]	7325										
log $F(H\beta)$		−16.61	0.03	−16.65	0.05						
m_{5007A}		25.81	0.07	24.85	0.12						
		F34 #1 2606 (−497.0, −921.7)		F34 #2 2603 (−548.8, −902.6)		F34 #4 2607 (−446.9, −860.0)		F34 #7 3403 (−433.1, −790.8)		F34 #11 3404 (−409.1, −693.3)	
Species	λ (Å)	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±
[O II]	3727	64	7	64	7	48	9	55	28	30	11
[Ne III]	3868	72	5	45	5	49	5	98	6	95	11
[Ne III] + Hϵ	3970	25	4			35	6	39	5	28	7
Hδ	4101	23	4	16	4	24	4	25	5	24	6
Hγ	4340	35	3	44	5	46	5	43	6	49	8
[O III]	4363			9	4			8	2	18	9
He I	4471			17	4			9	3	18	7
He II	4686	2	2	8	4			t		48	9
Hβ	4861	100	0	100	0	100	0	100	0	100	0
[O III]	4959	404	15	261	13	319	16	535	21	530	45
[O III]	5007	1214	43	782	37	972	45	1591	62	1574	130
He I	5876			32	9						
[N II]	6548	33	9								
Hα	6562	410	17	528	28	454	24	447	20	421	43
[N II]	6583	152	9	108	12	151	11	116	9	27	11
He I	6678			26	6					8	8
[S II]	6716										
[S II]	6730										
[Ar III]	7133	6	4			39	10	37	7		
[O II]	7325	6	5			33	16				
log $F(H\beta)$		−16.56	0.02	−16.70	0.03	−16.69	0.03	−16.59	0.03	−16.94	0.05
m_{5007A}		24.96	0.04	25.78	0.05	25.51	0.05	24.73	0.04	25.62	0.09
		F34 #12 3405 (−424.4, −682.1)		F34 #14 3505 (−458, 3, −622.8)		F34 #15 3504 (−490.7, −611.0)		F34 #16 3506 (−434.5, −592.1)			
Species	λ (Å)	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±	F_{Obs}	±		
[O II]	3727	48	16	38	4			138	16		
[Ne III]	3868	34	7	66	5	93	9	111	14		
[Ne III] + Hϵ	3970			30	4			46	9		
Hδ	4101			15	10	20	6				
Hγ	4340	35	8	47	5	45	6	46	12		
[O III]	4363			7	3	13	5	25	8		
He I	4471			5	3						
He II	4686	45	9			21	15	47	12		
Hβ	4861	100	0	100	0	100	0	100	0		
[O III]	4959	477	45	403	18	455	30	532	50		
[O III]	5007	1426	132	1193	53	1349	87	1647	151		
He I	5876	49	25								
[N II]	6548							88	13		
Hα	6562	321	30	380	19	475	34	458	48		
[N II]	6583	21	8	59	7	43	11	418	44		
He I	6678										
[S II]	6716										
[S II]	6730							36	22		
[Ar III]	7133										

[O II]	7325	57	26						
log $F(H\beta)$		−16.98	0.05	−16.63	0.03	−16.83	0.04	−17.03	0.04
m_{5007A}		25.84	0.10	25.16	0.05	25.50	0.07	25.81	0.10

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