

235.3-03.9

M 1-12, PK 235-3°1, ARO 233, ESO 559-03, SaSt 2-2, VV 35, VV' 58, IRAS 07172-2138

<i>Disc.: Minkowski 1946</i>				<i>Diameter (")</i>						
1950:	07 17 12.8	-21 38 19	IRAS	<i>opt. St.</i>	CS90					
	07 17 12.7	-21 38 19	AK90							
2000:	07 19 21.4	-21 43 55	.	<i>radio</i> 1.8	AK90					
<i>Intens. (Hβ = 100) ESO-B.C+IDS 1986-01-18</i>				<i>IR Class: S+D</i>		<i>IRAS Fluxes (Jy)</i>		<i>Qual.</i>		
<i>HeII</i>	468.6 nm	—	<i>Hα</i>	656.3 nm	533	<i>J</i>	11.80	12 μ m	2.20	3
<i>[OIII]</i>	436.3	—	<i>[NII]</i>	658.4	312	<i>H</i>	11.41	25 μ m	12.40	3
	500.7	16	<i>[SII]</i>	671.7	2.3	<i>K</i>	10.31	60 μ m	5.59	3
<i>HeI</i>	587.6	6		673.1	5	<i>L</i>		100 μ m	11.35	1
<i>lgF_{Hβ}(mW.m⁻²) -11.60 \pm .10 ASTR91</i>				<i>Photom.</i> Wh85		<i>Radio</i> 2cm 12 MiA182 <i>(mJy)</i> 6cm 41 AK90				
				<i>Spectr.</i> 86..2654						
<i>Central Star:</i>										
<i>B</i> 14.44 <i>V</i> 14.08 <i>Qual:</i> B TASG91										
<i>Notes: δ wrong in PK67</i>										
<i>Distance (kpc) stat.: 3.75 (CKS91)</i>										

Bibliography: PK67, AKSJ89, AST89, AcMa77, Al74, Ca82, CoBa74, HLSW80, Hi71, KAS91, Kon83, Mi73, Mi79, PAKS89, PFMA82, PM87, PPFS87, Ru70, Sa76, SaSt72, StAc87, StKa89, TAGS89, Wa77, ZTPS89

- 79..3515 Kondratjeva L.N. *Soviet Astron.* 23,193-197 Spectral studies of planetary nebulae of small angular size. Objects of low excitation.
- 83.30803 Adams S., Barlow M.J. *IAU Symposium 103, held at University College, London, U.K. August 9-13, 1982. Ed. by D.R. Flower. Planetary Nebulae, 537-538* An optical and ultraviolet study of nine low-excitation planetary nebulae.
- 84.30005 Kondratjeva L.N. *Trudy Astrofiz. Inst. Alma Ata* 44,30-42 Tsentral'nye zvezdy nekotonyh planetaryh tumannastej.
- 86..2654 Roche P.F., Aitken D.K. *Mon. Not. R. Astron. Soc.* 221, 63-76 The infrared spectral properties of planetary nebulae.
- 90..1038 Zhang C.Y., Kwok S. *Astron. Astrophys.* 237,479 IRAS spectroscopic observations of young planetary nebulae.