

232.4-01.8

M 1-13, PK 232-1°1, ESO 559-06, ARO 23, Sa 2-7, VV 36, VV' 59, IRAS 07190-1802

<i>Disc.:</i> Minkowski 1946				<i>Diameter</i> (")		<i>Rvel:</i> +46.0 ± 25.0 STPP83			
1950:	07 19 01.2	-18 02 51	IRAS	<i>opt.</i> 10.	PK67				
	07 19 01.6	-18 02 52	AK90						
2000:	07 21 14.9	-18 08 36	.						
<i>Intens.</i> (<i>Hβ</i> = 100) ESO-B.C+IDS 1986-01-21						<i>IRAS Fluxes</i> (<i>Jy</i>) <i>Qual.</i>			
<i>He</i> II	468.6 nm	23		<i>Hα</i>	656.3 nm	487	12μm	0.25	1
[OIII]	436.3	11		[NII]	658.4	673	25μm	0.70	3
	500.7	1385		[SII]	671.7	18	60μm	4.51	3
<i>He</i> I	587.6	17			673.1	20	100μm	9.37	1
lg <i>F_{Hβ}</i> (<i>mW.m</i> ⁻²) -11.85 ± .06 KAl83						<i>Radio</i> 2cm 11 MiAl82			
						(m <i>Jy</i>) 6cm 23 MiAl75			
<i>Distance</i> (<i>kpc</i>) <i>stat.</i> : 5.01 (MiAl75); 4.90 (Ca76); 4.3 (Ac78); 4.93 (Da82); 3.00 (AGNR84); 4.5 (Ma84) 5.32 (CKS91)									

Bibliography: PK67, AGR89, AcMa77, Alle73, CS83, HLSW80, Hi71, Is84, LNP89, MaPo80, Mi73, PAKS91, PM87, Pe71, Pe91, Sa75

- 84..3067 Chu Y-H., Kwitter K.B., Kaler J.B., Jacoby G.H. *Publ. Astron. Soc. Pac.* 96, 598-602 The relation between radius and expansion velocity in planetary nebulae.
- 87.13591 Peimbert M., Torres-Peimbert S. *Rev. Mex. Astron. Astrofis.* 14, 540-558 Chemical composition of type I planetary nebulae. Collisional excitation effects on He I line intensities.
- 88..1353 Van Der Hucht K.A., Hidayat B., Admiranto A.G., Supelli K.R., Doom C. *Astron. Astrophys.* 199, 217-234 The galactic distribution and subtype evolution of Wolf-Rayet stars. III.