

ING La Palma Technical Note no. 109

ING bibliography and analysis for papers published in 1996

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Bibliography

Below is the list of research papers published in 1996 that resulted from observations made at the Isaac Newton Group of Telescopes. Only papers appearing in refereed journals have been included, although many useful data have also appeared elsewhere, notably in workshop and conference proceedings.

Papers marked (INT), etc. at the end of the reference indicate those papers which also include results from the INT, etc.

Published Papers in Refereed Journals, 1996. Using ING telescopes

WHT

1. José A.Acosta-Pulido, Baltasar Vila-Vilaro, Ismael Pérez-Fournon, Andrew S.Wilson & Zlatan I.Tsvetanov, "Toward an understanding of the Seyfert galaxy NGC 5252: A spectroscopic study" *Astrophys J.* 464, 177
2. Eric J.Bakker, L.B.F.M.Waters, Henny J.G.L.M.Lamers, Norman R.Trams & Frank L.A. Van der Wolf, "Detection Of C2, CRN, and NaI D absorption in the AGB remnant of HD 56126" *Astron Astrophys.* 310, 893
3. E.J.Bakker, F.L.A. Van der Wolf, H.J.G.L.M.Lamers, A.F.Gulliver, R.Ferlet & A.Vidal-Madjar. "The optical spectrum of HR 4049" *Astron. Astrophys.* 306, 924.
4. T.Böhm et al. "Azimuthal structures in the wind and chromosphere of the Herbig Ae star AB Aurigae" *Astron Astrophys. Suppl.* 120, 431.
5. R.G.Bower, G.Hasinger, F.J.Castander, A.Aragón-Salamanca, R.S.Ellis, I.M.Gioia, J.P.Henry, R.Burg, J.P.Huchra, H.Böhringer, U.G.Briel & B.McLean, "The ROSAT North Ecliptic Pole Deep Survey" *MNRAS* 281, 59. (INT)
6. T.J.Bridges, D.Carter, W.E.Harris & C.J.Pritchett, "B - R colours of globular clusters in NGC 6166 (A2199)35" *MNRAS* 281, 1290.
7. M.Bryce, G.Mellema, C.A.Clayton, J.Meaburn, B.Balick & J.A. López, "A kinematical investigation of the bipolar planetary nebula NGC 650-1" *Astron Astrophys.* 307, 253. (INT)
8. A.Capetti, D.J.Axon, F.Macchetto, W.B.Sparks & A.Boksenberg, "Radio outflows and the origin of the narrow-line region in Seyfert galaxies" *Astrophys J.* 469, 554.
9. J.Casares, I.G.Martínez-Pais, T.R.Marsh, P.A.Charles & C.Lázaro, "V795 Her: an SW Sex star in the period gap?" *MNRAS* 278, 219. (INT,JKT)
10. D.L.Clements, W.J.Sutherland, W.Saunders, G.P.Efstathiou, R.G.McMahon, S.Maddox, A.Lawrence & M.Rowan-Robinson, "A new large sample of ultraluminous IRAS galaxies" *MNRAS* 279, 459.
11. Garret Cotter, Steve Rawlings & Richard Saunders, "Spectrophotometry of a sample of 7C giant radio sources" *MNRAS* 281, 1081.

12. E.A.Corbett, A.Robinson, D.J.Axon, J.H.Hough, R.D.Jeffries, M.R.Thurston & S.Young, "The appearance of broad H α in BL Lacertae" MNRAS 281, 737.
13. Robert J.Cumming, Peter Lundqvist, Linda J.Smith, Max Pettini & David L.King, "Circumstellar Ha from SN 1994D and future Type 1A supernovae: an observational test of progenitor models" MNRAS 2831 1355.
14. Pieter G. van Dokkum & Marijn Franx, "The Fundamental Plane in CL 0024 at z = 0.4: implications for the evolution of the mass-to-light ratio" MNRAS 281, 985.
15. Reginald J.Dufour, César Esteban & Héctor O. Castañeda, "Evidence for a physically associated companion galaxy to 1 Zw 18" Astrophys J. 471, L87.
16. T.M.D.Ebbels, J.-F. Le Borgne, R. Pelló, R.S.Ellis, J.-P.Kneib, I.Smail & B.Sanahuja, "Identification of a gravitationally lensed z = 2.515 star-forming galaxy" MNRAS 281, L75.
17. A.Eckart, M.Cameron, Th.Boller, A.Krabbe, M.Blietz, N.Nakai, S.J.Wagner & A.Sternberg, "The starburst in the Wolf-Rayet nucleus of the liner NGC 6764" Astrophys J. 472, 588.
18. A.Fitzsimmons & I.M.Cartwright, "Optical spectroscopy of comet C/1995 01 Hale-Bopp" MNRAS 278, L37. (JKT)
19. A.de la Fuente, P.M.Rodríguez-Pascual, J.L.Sanz & M.C Recondo, "The Ly α forest of the quasar HS properties of the Ly α absorbing systems at high z" MNRAS 281, 463.
20. G.Gómez, R.López & F.Sánchez, "The Canarias type Ia supernovae archive (I)" Astron.J. 112, 2094. (INT)
21. Rosa M.González-Delgado & Enrique Pérez, "A spectrophotometric study of the Seyfert I galaxy NGC 4253" MNRAS 278, 737. (INT)
22. Rosa M.González-Delgado & Enrique Pérez, "The emission-line knot in the Seyfert 2 galaxy NGC 5347" MNRAS 280, 53. (INT)
23. Rosa M.González-Delgado & Enrique Pérez, "The circumnuclear region in the Seyfert 2 galaxy NGC 5953" MNRAS 281, 781. (INT, JKT)
24. Rosa M.González-Delgado & Enrique Pérez, "The spatially extended LINERs NGC 4579 and 6500" MNRAS 281, 1105. (INT, JKT)
25. M.A.T.Groenewegen, R.D.Oudmaijer, P.Goudfrooij, L.B.van den Hoek & M.H. van Kerkwijk, "On the nature of AFGL 2477" Astron Astrophys. 305, 475. (JKT)
26. M.A.Guerrero, A.Manchado, L.Stanghellini & A.Herrero, "M1-46: A case study on multiple-shell planetary nebula formation" Astrophys J. 464, 847.
27. M.A.Guerrero, A.Manchado & M.Serra-Ricart, "K4-55: A bipolar planetary nebula observed near pole-on" Astrophys J. 456, 651.
28. N.C.Hambly, F.P.Keenan, P.L.Dufton, P.J.F.Brown, R.A.Saffer & R.C.Peterson, "High-resolution optical spectroscopy of PG 0832+676: A shaxp-lined, evolved low-mass star" Astrophys J. 466, 1018.

29. J.C.Hargreaves, G.Gilmore, M.J.Irwin & D.Carter, "A dynamical study of the Draco dwarf spheroidal galaxy" MNRAS 282, 305.
30. Emilios T.Harlaftis, Keith Horne & Alexei V.Filippenko, "The Mass Ratio and the Disk Image of the X-Ray Nova GS 2000+25" PASP, 108, 762.
31. R.W.Hilditch, T.J.Harries & S.A.Bell, "New masses for the O-type binary DH Cephei, and the temperatures of O-stars" Astron Astrophys. 314, 165.
32. A.J.Holloway, W.Steffen, A.Pedlar, D.J.Axon, J.E.Dyson, J.Meaburn & C.N.Tadhunter, "Kinematics of ionized gas associated with the radio nucleus and lobes in the active galaxy IRAS 04210+0400" MNRAS 279,171. (INT)
33. I.M.Hook, R.G.McMahon, M.J.Irwin & C.Hazaxd, "A survey for high-redshift radio-loud quasars: optical spectroscopy of $S > 0.2$ Jy, flat-spectrum radio sources" MNRAS 282, 1274.
34. John C.Houck & Claes Ransson, " Analysis of the late optical spectra of SN 1993J" Astrophys J. 456,
35. L.K.Hunt, F.Lisi, L.Testi, C.Bafia, S.Borelli, R.Maiolino, G.Moriondo & R.M.Stanga, "ARNICA, the Arcetri near-infrared camera: Astronomical performance assessment" Astron Astrophys. Suppl. 115, 18
36. Walter Jafle, Holland Ford, Laura Ferrarese, Rank Van Den Bosch & Robert W.O'Connell, "The nuclear disc of NGC 4261: Hubble Space Telescope images and ground-based spectra" Astrophys J. 4605 214.
37. E.J.Kennelly et al. "The oscillation modes of 02 Tauri: Results from the 1992 MUSICOS campaign", Astron Astrophys. 313, 571.
38. van Kerkwijk, T.R.Geballe, D.L.King, M. van der Kils & J. vav Paradijs, "The Wolf-Rayet counterpart of Cygnus X-3" Astron Astrophys. 314, 521.
39. J.H.Knapen, J.E.Beckman, J.Cepa & N.Nakai, " Molecular gas observations and enhanced massive star formation efficiencies in M100" Astron Astrophys. 308, 27.
40. J.H.Knapen & J.E.Beckman, "Global morphology and physical relations between the stars, gas and dust in the disc and arms of MI00" MNRAS 283, 251. (INT, JKT)
41. M.J.Kukula, A.J.Holloway, A.Pedlar, J.Meaburn, J.A.Lopez, D.J.Axon, R.T.Schilizzi & S.A.Baum, "Unusual radio and optical structures in the Seyfert galaxy Markarian 6" MNRAS 280, 1283. (INT)
42. W.Kollatschny & M.Dietrich, "Broad emission-line profile variability in NGC 5548. The optical emission lines in 1989" Astron Astrophys. 314, 43. (INT)
43. Anuradha Koratkar et al. "The disappearing broad absorption lines and variable emission lines in NGC 3516" Astrophys J. 470, 378. (INT)
44. Mark Lacy. and Steve Rawlings, "Imaging of the field of 4C 41.17 below the Lyman limit" MNRAS 280, 888.
45. J.Lehar, A.J.Cooke, C.R.Lawrence, A.D.Silber & G.I.Langston "The lensing galaxy in MG1549+3047" Astron.J. 111, 1812.
46. F.Lisi, C.Baffa, V.Billioti, D.Bonaccini, C. Del Vecchio & S.Gennari, "ARNICA, the Arcetri NearInfrared Camera", PASP, 108, 364.

47. X-W.Liu & M.J.Barlow, "Physical conditions in the transition regions around the Ring Nebula and NGC 7027", MNRAS 279, 511.
48. Loan, S.J. Maddox, O.Lahav, M.Balecells, R.C.Kraan-Korteweg, R.Assendorp, E.Almoznino, N.Brosch, E.Goldberg & E.O.Ofek, "Optical observations of Dwingeloo 1, a nearby barred spiral galaxy behind the Milky Way" MNRAS 280, 537. (INT)
49. M.A.Lyons, S.N.Kemp, B.Bates & C.R.Shaw, "Mass motions in the atmospheres of red giants in the globular clusters M55 and M13" MNRAS 280, 835.
50. Arturo Manchado, Letizia Stanghellini & Martin A.Guerrero, "Quadrupolar planetary nebulae: A new morphological class" Astrophys J. 466, L95.
51. T.R.Marsh & S..R.Duck, "A detached white dwarf/M dwarf binaxy with an orbital period of 2.47 h" MNRAS 278,565.
52. Eduardo L.Martin, Rafael Rebolo & Maria Rosa Zapatero-Osorio, "Spectroscopy of new substellar candidates in the Pleiades: toward a spectral sequence for young brown dwarfs" Astrophys J. 469, 706
53. K.O.Mason, E.M.Puchnaxewicz & L.R.Jones, "The origin of the optical emission lines in the narrowline Seyfert I galaxy RE J1034+396" MNRAS 283, L26.
54. W.P.S.Meikle, et al. "An early-time infrared and optical study of the Type Ia supernovae SN1994D and 1991T" MNRAS 281, 263. (INT, JKT)
55. N.Metcalfe, T.Shanks, A.Campos, R.Fong & J.P.Gardner, "Galaxy formation at high redshifts" Nature 383, 236.
56. J.Miguel Mas-Hesse, Miguel Cerviño, Pedro M.Rodriguez-Pascual & Thomas Boller, " Starburst activity in X-ray and FIR luminous galaxies: the case of NGC 4619 and IRAS 15564+6359" Astron Astrophys. 309, 431. (INT)
57. M.I.Monteverde, A. Herrero, D.J.Lennon & R.P. Kudritzki, "Spectroscopic observations of AB supergiants in M 33" Astron Astrophys. 312, 24.
58. P.S.Mulder & W. van Driel, "Optical imaging and imaging spectroscopy of the peculiar spiral galaxy NGC 3310" Astron Astrophys. 309, 403. (INT)
59. Olga Muñoz, Fernando Moreno & Antonia Molina, "Aerosol properties of Debris from FYragments E/F of Comet Shoemaker-Levy 9" Icarus 121, 305.
60. Casiana Muñoz-Tuñón, Guillermo Tenorio-Tagle & Hector O Castañeda, "Supersonic line broadening and the gas dynamical evolution of giant HII regions" Astron.J. 112, 1636.
61. L.S.Nazarova, P.T.O'Brien & M.J.Ward, "The extended narrow line region in Mkn 79: I. Observations" Astron Astrophys. 307, 365
62. K.Nilsson, P.A.Charles, T.Pursimo, L.O.Takalo, A.Sillanpciii & P.Teerikorpi, " The complex environment of AO 0235+164" Astron Astrophys. 314, 754.
63. Antonella Nota, Anna Pasquali, Mark Clampin, Don Pollacco, Salvo Scuderi & Mario Livio, "The nebula around HD 168625: Morphology, dynamics and physical properties" Astrophys J. 473, 946. (INT)

64. S.J.Oliver, M.Rowan-Robinson, T.J.Broadhurst, R.G.McMahon, W.Saunders, A.Taylor, A.Lawrence, C.J.Lonsdale, P.Hacking & T.Conrow, "Large-scale structure in a new deep IRAS galaxy redshift survey" MNRAS 280, 673. (INT)
65. M.J.Page, F.J.Carrera, G.Hansinger, K.O.Mason, R.G.McMahon, J.P.D.Mittaz, X.Barcons, R.Carballo, I.González-Serrano & I.Pérez-Fournon, "The luminosity function evolution of soft X-ray-selected active galactic nuclei in the RIXOS survey" MNRAS 281, 579. (INT,JKT)
66. F.Prada, C.M.Gutiériez, R.F.Peletier & C.D.McKeith, "A counterrotating bulge in the Sb galaxy NGC 7331" Astrophys J. 463, L9. (INT)
67. E.M.Puchnarewicz, K.O Mason, E.Romero-Colmenero, F.J.Carrera, G.Hasinger, R.McMahon, J.P.D.Mittaz, M.J.Page & R.Carballo, "Optical and X-ray properties of the RIXOS active galactic nuclei: 1. The continua" MNRAS 281,1243. (INT,JKT)
68. Steve Rawlings, Mark Lacy, Katherine M.Blundell, Stephen T.Eales, Andrew J.Bunker & Simon T.Garrington, "A radio galaxy at redshift 4.41" Nature 383, 502.
69. Steve Rawlings, Mark Lacy, J.P.Leahy, J.S.Dunlop, S.T.Garrington & E.Lüdke, "A study of 4C13.66 - the final identification and redshift for the revised 3C sample" MNRAS 279, L13.
70. M.Rozas, J.H.Knapen & J.E.Beckman, "Statistics and properties of HII regions in a sample of granddesign galaxies: II. Physical properties" Astron Astrophys. 312, 275.
71. A.Richichi, G.Calamai, Ch.Leinert, B.Stecklum & E.M.nunkovsky, "New binary stars discovered by occultations: II" Astron Astrophys. 309, 163.
72. H.J.A.Röttgering, Y.Tang, M.A.R.Bremer, A.G.de Bruyn, G.K.Miley, R.B.Rengelink & M.N.Bremer, "WN 1626+5153: a giant radio galaxy from the WENSS survey" MNRAS 282, 1033.
73. M.Rozas, J.E.Beckman & J.H.Knapen, "Statistics and properties of HII regions in a sample of grand design galaxies: I. Luminosity functions" Astron Astrophys. 307, 735.
74. Pilar Ruiz-Lapuente, "The Hubble Constant from 56Co-powered nebular candles" Astrophys J. 465, L83.
75. Stephen C.Russell, "The lithium abundance dispersion in the Pleiades?" Astrophys J. 463, 593.
76. H.Schild & H.M.Schmid, "Spectropolarimetry of symbiotic stars: On the binary orbit and the geometric structure of V 1016 Cygni" Astron Astrophys. 310, 211.
77. S.di Serego Alighieri, A.Cimatti, R.A.E.Fosbury & I.Pérez-Fournon, "Spectropolarimetry of 3C 265, a misaligned radio galaxy" MNRAS 279, L57.
78. T.Shahbaz & Janet H.Wood, "The system parameters of the polaxs MR Ser and ST LMi" MNRAS 282, 362.
79. T.Shahbaz, A.P.Smale, T.Naylor, P.A.Charles, J. van Paradijs, B.J.M.Hassall & P.Callanan, "An atlas of optical continuum and line emission from low-mass X-ray binaries" MNRAS 282, 1437.
80. C.R.Shaw, B.Bates, S.N.Kemp & F.P.Keenan, "The structure and properties of an intermediatevelocity cloud in the direction of the globular cluster M13" Astrophys J. 473, 849.

81. S.J.Smartt, P.L.Dufton & W.R.J.Rolleston, "A metal deficient early B-type star near the edge of the galactic disk" *Astron Astrophys.* 305, 164.
82. S.J.Smartt, P.L.Dufton & W.R.J.Rolleston, "The Chemical Composition towards the Galactic anti-centre: I. Observations and model atmosphere analyses" *Astron Astrophys. Suppl.* 116, 483. (JKT)
83. S.J.Smartt, P.L.Dufton & W.R.J.Rolleston, "The Chemical Composition towards the Galactic anti-centre: II. Differential abundance analyses and distance determinations" *Astron Astrophys.* 310, 123. (JKT)
84. J.V.Smoker, R.D.Davies & D.J.Axon, HI and optical observations of the NGC 428 field" *MNRAS* 281, 393.
85. I.A.G.Snellen, M.N.Bremer, R.T.Schilizzi, G.K.Miley & R.van Ojik, "The R-band Hubble diagram for gigahertz peaked spectrum radio galaxies" *MNRAS* 279, 1294. (JKT)
86. D.Steeghs, Keith Horne, T.R.Maxsh & J.F.Donati, "Slingshot prominences during dwarf nova outbursts?" *MNRAS* 281, 626.
87. W.Steffen, A.J.Holloway & A.Pedlar, "IRAS 04210+0400: modelling the optical spectra from flaxing large-scale jets" *MNRAS* 282, 1203. (INT)
88. L.J.Storrie-Lombardi, R.G.McMahon & M.J.Irwin, "Evolution of neutral gas at high redshift: implications for the epoch of galaxy formation" *MNRAS* 283, L79.
89. L.J.Storrie-Lombardi & R.G.McMahon "APM Z > 4 QSO survey: spectra and intervening absorption systems" *Astrophys J.* 468, 121.
90. Arpad Szomoru, J.H. Van Gorkom & Michael D.Gregg, "An HI survey of the Boötes void: I. The data" *Astron.J.* 111, 2141. (JKT)
91. C.N.Tadhunter, R.C.Dickson & M.A.Shaw, "Young stars and scattered light in the powerful radio galaxy 3C 321" *MNRAS* 281, 591.
92. Elena Terlevich, Angeles Díaz, Roberto Terlevich, Rosa M. González-Delgado, Enrique Pérez, & Maxia L.García Vargas, "A spectroscopic search for red supergiants in the M33 giant HII region NGC 604" *MNRAS* 279,1219. (JKT)
93. A.M.Varela, C. Muñoz-Tuñón & E.Simmoneau, "Spatial source distribution of bulges from surface photometry: application to NGC 2841" *Astron Astrophys.* 306, 381.
94. J.M.Vilchez & C.Estebar, "The chemical composition of HII regions in the outer Galaxy" *MNRAS* 280, 720.
95. B.P.Wakker, H. van Woerden, U.J.Schwarz, R.F.Peletier & N.G.Douglas, "The Ca⁺ abundance of HVC complex C" *Astron Astrophys.* 306, L25.
96. M.G.Watson, T.R.Maxsh, R.P.Fender, M.A.Baxstow, M.Still, M.Page, V.S.Dhillon & A.P.Beardmore, "The EUV transient RE J1255+266", *MNRAS* 281, 1016. (INT,JKT)
97. L.Weitzel, A.Krabbe, H.Kroker, N.Thatte, L.E.Tacconi-Garmon, M.Cameron & R.Genzel, "3D: The next generation near-infrared imaging spectrometer" *Astron Astrophys. Suppl.* 119, 531.
98. S.Young, J.H.Hough, D.J.Axon, M.J.Waxd & J.A.Bailey, "Optical and near-infrared spectropolarimetry of the infrared-luminous galaxy IRAS 23060+0505" *MNRAS* 280, 291.

99. S.Young, J.H.Hough, A.Efstathiou, B.J.Wills, J.A.Bailey, M.J.Ward & D.J.Axon, "Polarimetry and modelling of narrow-line active galaxies" MNRAS 281, 1206.
100. M.R.Zapatero-Osorio, R.Rebolo, E L Martin & R J Garcia López, "Stars approaching the substellar limit in the α Persei open cluster" Astron Astrophys. 305, 519. (INT)

INT

1. C.Abia & J.Isern, "Clues for Lithium production in galactic C stars: The 12C/13C ratio" Astrophys J. 460, 443.
2. A.Alonso-Herrero, A.Aragón-Salamanca, J.Zamorano & M.Rego, "Star formation history in a sample of starburst galaxies" MNRAS 278, 417.
3. J.E.Beckman, R.F.Peletier, J.H.Knapen, R.L.M.Corradi & L.J.Gentet, "Scale lengths in disk surface brightness as probes of dust extinction in three spiral galaxies: M51, NGC 3631 and NGC 4321" Astrophys J. 467, 175. (JKT)
4. Ian Billington, T.R.Marsh & V.S.Dhillon, "The eclipsing dwarf nova HS 1804+6753" MNRAS 278, 673.
5. J.Casaxes, M.Mouchet, I.G.Martinez-Pais & E.T.Harlaftis, "A coordinated campaign on the intermediate polar AE Aqr: I. The system parameters" MNRAS 282, 182.
6. M.J.Coe, J.Fabregat, I.Negueruela, P.Roche & I.A.Steele, "Discovery of the optical counterpart to the ASCA transient AX 1845.0-0433" MNRAS 281, 333. (JKT)
7. P.A.Crowther & L.J.Smith, "An infrared spectral analysis of two Cygnus WNE staxs" Astron Astrophys. 305, 541.
8. L.Cuesta, J.P.Phillips & A. Mampaso, "The structure and kinematics of the unusual bipolar outflow NGC 7026" Astron Astrophys. 313, 243.
9. Stephen C.Davey & Robert Connon Smith, "Spectroscopic imaging of the secondary star in AM Her" MNRAS 280, 481.
10. S.M.Dougherty, P.M.Williams, K.A. van der Hucht, M.F.Bode & R.J.Davis, "Multifrequency observations of the Wolf-Rayet star WR 146: another colliding-wind binary?" MNRAS 280, 963.
11. Laura Ferrarese, Mario Livio, Wendy Freedman, Abhijit Saha, Peter B.Stetson, Holland C.Ford, Robert J.Hill & Baxry F.Madore, "Discovery of a nova in the Virgo galaxy M100" Astrophys J. 468, L95.
12. A.Fitzsimmons, P.J.Andrews, R.Catchpole, J.E.Little, N.Walton & I.P.Williams, " Re-entry and ablation of cometary dust in the impact plumes of Shomaker-Levy 9" Nature, 379, 801.
13. C.Gallart, A.Aparicio & J.M.Vilchez, "The local group dwarf irregular galaxy NGC 6822: I. The stellar content" Astron.J. 112, 1928.
14. C.Gallart, A.Aparicio, G Bertelli & C.Chiosi, "The local group dwarf irregular galaxy NGC 6822: III. The recent star formation history" Astron.J. 112, 2596.

15. C.Gallart, A.Aparicio, G Bertelli & C.Chiosi, "The local group dwarf irregular galaxy NGC 6822: II. The old and intermediate-age star formation history" *Astron.J.* 112, 1950.
16. J.Gallego, J.Zamorano, M.Rego, O.Alonso & A.G.Vitores, "Observations of a complete sample of H α emission-line galaxies: Long-slit spectroscopy of galaxies in UCM lists 1 and 2" *Astron Astrophys. Suppl.* 120, 323.
17. Michael D.Gregg, Robert H.Beker, Richaxd L.White, David J.Helfand, Richard G.MeMahon & Isobel M.Hook, "The first bright QSO survey" *Astron.J.* 112, 407.
18. A.Greve, R.Becker, L.E.B.Johansson & C.D.McKeith, "NGC 1569: the molecular and ionized gas near the superluminous star clusters A and B" *Astron Astrophys.* 312, 391.
19. R.B.C.Henry, C.Balkowski, V.Cayatte, M.G.Edmunds & B.E.J.Pagel, "The effects of cluster environment on the chemical evolution of galaxies - III: NGC 753." *MNRAS* 283, 635.
20. R.D.Jeffries, M.R.Burleigh & R.M.Robb, " Is 2RE J0357+283 the most coronally active stax in the Galaxy?" *Astron Astrophys.* 305, L45.
21. R.D.Jeffries & B.Smalley "Excess barium in a K dwarf-white binary system" *Astron Astrophys.* 315, L19.
22. Roelof de Jong, "Near-infrared and optical broadband surface photometry of 86 face-on disk dominated galaxies: III. The statistics of the disk and bulge parameters" *Astron Astrophys.* 313, 45. (JKT)
23. Roelof de Jong, "Near-infrared and optical broadband surface photometry of 86 face-on disk dominated galaxies: IV. Using colour profiles to study stellax and dust content of galaxies" *Astron Astrophys.* 377. (JKT)
24. William C.Keel, "A Supergiant-Dominated Starburst in the Nucleus of NGC 4569" *PASP*, 108, 917.
25. T.R.Kendall, P.L.Dufton & D.J.Lennon, "Metal line strengths of blue stragglers towards the Young Galactic Association Perseus OB1" *Astron Astrophys.* 310, 564.
26. R.López, A.Riera, A.C.Raga, G.Anoglada, J.A.López, A.Noriega-Crespo & R.Estalella, "The complex kinematics properties of the HH objects aligned with the HL Tauri and HH 30 outflows" *MNRAS* 282, 470.
27. E.A.Magnier, L.B.F.M.Waters, Y.-J.Kuan, Y.-H.Chu, A.R.Taylor, H.E.Mathews & E.L.Martin, "A bipolar-outflow object in the field of M36" *Astron Astrophys.* 305, 936. (JKT)
28. A.Marconi, P.P. van der Werf, A.F.M.Moorwood & E.Oliva, "Infrared and visible coronal lines in NGC 1068" *Astron Astrophys.* 315, 335.
29. I.Márquez & M.Moles, "Effects of the interaction on the properties of spiral galaxies: I. The data" *Astron Astrophys. Suppl.* 120, 1. (JKT)
30. E.L.Martín & M.Kun, "Spectroscopy of possible H α emission stars in the regions of high galactic latitude molecular clouds" *Astron Astrophys. Suppl.* 116, 467.
31. I.G.Martínez-Pais, F.Giovannelli, C.Rossi & S.Gaudenzi, "An optical time-resolved spectroscopic study of SS Cygni: II. Outburst" *Astron Astrophys.* 308, 833.
32. P.F.L.Maxted & R.W.Hilditch, "The near-contact binary system RU Ursae Minoris" *Observatory*, 1167 288.

33. J.Meaburn, C.A.Clayton, M.Bryce & J.R.Walsh, "The global motions of the cometary knots in the Helix planetary nebula (NGC 7293)" MNRAS 281, L57.
34. J.Meaburn, J.A.López, M.Bryce & G.Mellema, " The bright core and double halo of the planetary nebula NGC 40" Astron Astrophys. 307, 579.
35. D.Montes, M.J.Fernández-Figueroa, M.Cornide & E.De Castro, "The behaviour of the excess CaII H and K and He emissions in chromospherically active binaries" Astron Astrophys. 312, 221.
36. D.Montes, J.Sanz-Forcada, M.J.Fernández-Figueroa & R.Lorente, "Simultaneous H α , Na I, D₁, D₂, and He I D₃ observations of a flare on the RS CVn system UX Ari" Astron Astrophys. 310, L29.
37. L.Morales-Rueda, M.D.Still & P.Roche, "Mapping quasi-periodic oscillations from the outbursting intermediate polar GK Persei MNRAS 283, L58.
38. I.Negueruela, P.Roche, D.A.H.Buckley, D.Chakrabarty, M.J.Coe, J.Fabregat & P.Reig, "Optical and infrared observations of the suspected Be/X-ray transient 4U 0728-25" Astron Astrophys. 315, 160. (JKT)
39. R.Pain et al. "The type Ia supernova rate at z ~ 0.4" Astrophys J. 473, 356.
40. R.F.Peletier & M.Balcells "Ages of galaxy bulges and disks from optical and near-infrared colors" Astron.J. 111, 2238.
41. J.P.Phillips & L.Cuesta, "NGC 6210: An observational case study of a jet emitting source" Astron.J. 111, 1227.
42. M.Pierre, J.F. Le Borgne, G.Soucail & J.P.Kneib, "X-ray analysis and matter distribution in the lens-cluster Abell 2390" Astron Astrophys. 311, 413.
43. E.M.Puchnarewicz, K.O.Mason & F.J.Carrera, "Double-peaked Balmer line emission in the radio-quiet AGN RX J1042+1212",MNRAS 283, 1311.
44. Richaxd J.Rand, "Diffuse ionized gas in nine edge-on galaxies" Astrophys J. 462, 712.
45. Michael W.Regan, Peter J.Teuben, Stuart N.Vogel & Thijs van der Hulst, "The morphology of the stars, atomic gas and ionized gas in the barred spiral galaxy NGC 1530" Astron.J. 112, 2549.
46. P.Reig, D.Chakrabarty, M.J.Coe, J.Fabregat, I.Negueruela, T.A.Prince P.Roche & I.A.Steele, "Astrophysical parameters of the massive X-ray binaxy 2S 0114+650" Astron Astrophys. 311, 879. (JKT)
47. F.A.Ringwald & T.Naylor, "An expansion parallax for PW Vul (Nova 1984)" MNRAS 278, 808. (JKT)
48. F.A.Ringwald, T.Naylor & K.Mukai, "The optical spectra of old novae" MNRAS 281, 192.
49. N.Roche, T.Shanks, N.Metcalfe & R.Fong, "The clustering of blue and red galaxies at B ~25.5 mag", MNRAS 280, 397.
50. M.Rodriguez, "Iron abundance and dust in galactic HII regions" Astron Astrophys. 313, L5.
51. D.J.Saikia, P.Thomasson, N.Jackson, C.J.Salter & W.Junor, "An intrinsically asymmetric radio galaxy: 0500+630?" MNRAS 282, 837.

52. A.Skopal et al.. "Multifrequency observations of the eclipsing symbiotic triple system CH Cyg during the 1992-94 active phase" MNRAS 282, 327.
53. S.J.Steele, N.Smith, L.Metcalfe, M.Rabbette & B.McBreen, "Spectrophotometric observations of the dwarf starburst galaxy Haro 3" Astron Astrophys. 311, 721. (JKT)
54. M.D.Stifi, "An accretion model for the eclipsing cataclysmic variable PG0859+415" MNRAS 282, 943.
55. E.J.Totten, "Caxbon stars in the galactic halo" Irish Astron. J. 23, 185.
56. Victor P.Utrobin, "Nonthermal ionization and excitations in Type IIb supernova 1993J" Astron Astrophys. 306, 219.
57. S.D.Vritlek & F.H.Cheng, "The ultraviolet/optical continuum of Hercules X-1/HZ Herculis" Astrophys 465, 915.
58. Hui Yang, You-Hua Chu, Evan D.Skillman & Roberto Terlevich, "The violent interstellar medium of NGC 604" Astron.J. 112, 146.
59. J.Zamorano, J.Gallego, M.Rego, A.G.Vitores & O.Alonso, "Survey for emission-line galaxies: Universidad Complutense de Madrid list 2" Astrophys J.Suppl. 105, 343.

JKT

1. S.Allain, M.Fernández, E.L. Martin & J.Bouvier, "COYOTES III: observational evidence for a lower limit to the rotational velocity of ZAMS G and K dwarfs" Astron Astrophys. 314, 173.
2. R.W.Argyle, O.H.Einicke, J.D.H.Pilkington, L.V.Morrison, D.H.P.Jones, C.Fabricius & L.Helmer, "Comparison of the Carlsberg optical reference frame with the International celestial reference frame" Astron Astrophys. 312, 1031.
3. W.J.G. de Blok, S.S.McGaugh & J.M. van der Hulst, " HI observations of low surface brightness galaxies: probing low-density galaxies" MNRAS 283, 18.
4. N.G.Douglas, "Optical methane-band observations of Jovian Shoemaker-Levy 9 impact debris" Astron Astrophys. 313, 315.
5. J.Echevarria et al. "Simultaneous multiwavelength observations of dwarf novae: 1. SU Ursae Majoris: Minihumps at a minioutburst?" Astrophys J. 467, 851.
6. J.Fabregat, J.M. Torrejón, P.Reig, G.Bernabeu, J.Busquets, A.Mareo & V.Reglero, "Be stars in open clusters: I. uvbyβ photometry" Astron Astrophys. Suppl. 119, 271.
7. M.Fernández & C.Eiroa, "Variability of classical T Tauri stars: Its relation to the accretion process" Astron Astrophys. 310, 143.

8. A.Fitzsimmons, P.J.Andrews, R.Catchpole, J.E.Little, N.Walton & I.P.Williams, "Optical imaging of the impact plume on Jupiter from fragment L of comet D/Shomaker-Levy 9" MNRAS 278, 781.
9. J.N. González-Pérez, M.R.Kidger & J.A. de Diego, "The microvariability characteristics of OJ 287" Astron Astrophys. 311, 57.
10. R. de Grijs & P.C. van der Kruit, "Structure analysis of edge-on spiral galaxies" Astron Astrophys. Suppl. 117, 19.
11. R.S. de Jong, "Near-infrared and optical broadband surface photometry of 86 face-on disk dominated galaxies: II. A two-dimensional method to determine bulge and disk parameters" Astron Astrophys. Suppl. 118, 557.
12. C.Jordi, F.Figueras, J.Torra & R.Asiaín, "uvbyH β photometry of main sequence A type stars" Astron Astrophys. Suppl. 115, 401.
13. P.Magnusson et al. "Photometric Observations and Modeling of Asteroid 1620 Geographos" Icarus 123, 227.
14. Brant O.Nelson, "A correlated optical-infrared outburst of Makarian 744: The strongest evidence yet for thermal dust reverberation" Astrophys J. 465, L87.
15. D.O'Donoghue & P.A.Chaxles, "Have superhumps been seen in black hole soft X-ray transients?" MNRAS 282, 191.
16. E.P.Pavlenko, A.C.Martin, J.Casares, P.A.Chaxles & N.A.Ketsaris, "Orbital and quasi-periodic optical variations in the black hole X-ray binary V404 Cyg" MNRAS 281, 1094.
17. M.Rabbette, B.McBreen, S.Steel & N.Smith, "Rapid optical variability in the BL Lacertae object AO 0235+164" Astron Astrophys. 310, 1.
18. S.M.Rucinski, J.Kaluzny & R.W.Hilditch, "A search for detached eclipsing binary systems in the oldest known open cluster NGC 6791" MNRAS 282, 705.
19. S.M.Scarratt & P.W.Draper, "Further evidence for vertical magnetic fields in the galaxy NGC 891" MNRAS 278, 519.
20. A.Sillanpää, et al. "Confirmation of the 12-year optical outburst cycle in blazar OJ 287" Astron Astrophys. 305, L17.
21. A.Sillanpää et al. "Double-peak structure in the cyclic optical outbursts of blazar OJ 287" Astron Astrophys. 315, L13.
22. K.W.Smith, D.H.P.Jones & C.J.Clarke "A search for rapid variability in T Tauri stars" MNRAS 282, 167
23. M.W.Somers, K.Mukai & T.Naylor, "Infrared photometry of WY Sge: just an ordinary old nova?" MNRAS 278, 845.
24. I.A.Steele, M.J.Coe, J.Fabregat, J.Maxti, J.M.Paredes, M.Strickman & M.Tavani, "Multiwavelength observations of the X-ray binary LSI +61 303" Astron Astrophys. Suppl. 120 (Vol 4), 213.
25. R.J.Sylvester., C.J.Skinner, M.J.Barlow & V.Mannings, "Optical, infrared and millimetre-wave properties of Vega-like systems" MNRAS 279, 915.

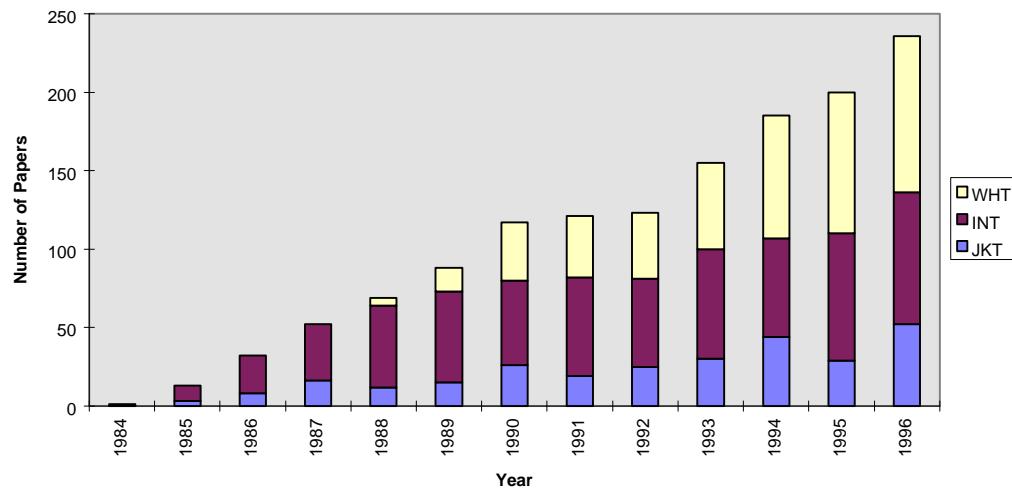
26. Arpad Szomoru, J.H. van Gorkom, Michael D.Gregg & Michael A.Strauss, "An HI survey of the Boötes void: II. The analysis" Astron.J. 111, 2150.
27. L.O.Takalo et al. "Monitoring of 3C 66A during an extended outburst: I. The light curves" Astron Astrophys. Suppl. 120, 313.

Analysis

The above list contains 186 publications, some of which include results from more than one telescope. 100 papers contain results from the WHT, 84 contain results from the INT and 52 contain results from the JKT. The corresponding figures for 1995 were 90 from the WHT, 81 from the INT and 29 from the JKT. As can be seen from the figure below, the combined publication rate has increased again by 36 publications compared with 1995. In addition the number of papers published from all three telescopes is the highest to date and hence the overall publication rate has still not yet reached a steady state.

Note that papers containing results from more than one telescope have been credited to each telescope used.

Figure 1 ING Refereed Publications 1984-1996



The chart below shows the authorship of all papers from 1984-1996 according to national group. The nationality of each author is attributed according to his or her address and equal weight is given to each author.

Figure 2 Paper Authorship 1984-1996

