

Curriculum Vitae

Personal details

Name, title	Peter Gustaaf Jonker, dr.
Male/female	male
Nationality	Dutch

Masters degree

University	Utrecht University
Date	August 1997
Subject	Observational Astronomy
Supervisor	Prof. dr. H.J.G.L.M. Lamers
Thesis	<i>Infrared excess from O and B stars as seen with the ISO satellite</i>

Doctorate degree

University	University of Amsterdam
Date	October 19, 2001
Supervisor	Prof. dr. M. van der Klis
Thesis	<i>Probing low-mass X-ray binaries with X-ray timing</i>

Work experience

2005-current	Veni Fellowship Space Research Organisation the Netherlands Research Associate of the Harvard-Smithsonian Center for Astrophysics
2003-2005	Chandra Fellow, Harvard-Smithsonian Center for Astrophysics, Cambridge, U.S.A.
2001-2003	Marie Curie Fellow, Institute of Astronomy, Cambridge, U.K.

Years of post-doc research

5 years

Summary of research

Since I obtained my PhD my research has been focused on:

- i) investigating the evidence for black hole event horizons*
- ii) neutron star mass measurements*

The fact that black holes have a lower luminosity than neutron stars in quiescence has been presented as evidence for the existence of black hole event horizons. However, together with collaborators in Amsterdam I found that this can also be explained by the observed differences in jet formation efficiencies between black holes and neutron stars (Fender, Gallo, Jonker 2003). This has led me to investigate the (radio) jets of black holes in more detail (Jonker et al. 2004). Furthermore, I have compared the distance estimates of black holes and neutron stars and concluded that the distances to black hole systems may be systematically underestimated (Jonker & Nelemans 2004). If so, this would make the difference in quiescent X-ray luminosity less pronounced. I have studied the X-ray properties of neutron stars in quiescence (Jonker et al. 2003, 2004a, 2004b, 2005). I found that the spectral composition varies systematically as a function of neutron star quiescent luminosity. This helps to differentiate between the different models proposed to explain the observed X-ray luminosity. One of these models is the cooling neutron star model which, if true, can lead to neutron star mass and radius measurements. Finally, I have obtained limits on the masses of two neutron stars in low-mass X-ray binaries (Jonker et al. 2002, 2005). One of these two systems may harbor a massive neutron star, constraining the equation of state of matter at supra-nuclear densities.

International activities

Visits & conferences,	(selection from 2003 and onwards)
2006 (September)	San Francisco, U.S.A., conference, talk at the HEAD meeting
2006 (July)	Berlin, Germany, conference, 2 invited reviews at the 11th Marcel Grossmann meeting
2006 (March)	Boston, Harvard, U.S.A.
2005 (October)	Boston, conference, Chandra symposium, U.S.A.
2005 (August)	Amsterdam, conference, NL
2005 (August)	Vancouver, conference, Canada
2005 (July)	Boston, Harvard, U.S.A.
2005 (June)	Boston, Harvard, U.S.A.
2004 (September)	New Orleans, HEAD meeting, U.S.A.
2004 (July)	Amsterdam (visit Fender, van der Klis)
2004 (February)	Utrecht & Amsterdam (visit Méndez, Fender, van der Klis)
2003 (November)	X-ray timing 2003: Rossi and beyond, Cambridge, U.S.A.
2003 (September)	Chandra symposium, Huntsville, U.S.A.

Selection of international collaborations for observations with major space and ground based telescopes

Magellan 6.5m telesc.	US/NL (PI Steeghs)
NOAO 4m telescope	NL/USA/UK (PI Jonker)
XMM-Newton	USA/NL (PI Heinke)
Gemini 8m telescope	USA/NL (PI Heinke)
Chandra+VLA radio	NL/UK/USA (PI Fender)
Chandra	NL/UK/FR/USA (PI Jonker)
VLBA radio	NL/UK/USA (PI Jonker)
HSA radio	NL/UK/USA (PI Jonker)
Chandra	NL/USA (PI Jonker)
Chandra	USA/NL (PI Chakrabarty)
WSRT radio	USA/NL/UK (PI Gallo)

Other academic activities

2005–current	Referee for the National Radio Astronomy Observatories VLA & VLBA
2002–2003	Organiser of the Darwin College science lunch talks, Darwin College Cambridge
1998–2001	Treasurer of the Dutch Astronomers Association

Scholarships and prizes

2005–current	I have been awarded a Research Associateship of the Smithsonian Astrophysical Observatory which is part of the Harvard-Smithsonian Center for Astrophysics
2005–current	I have been awarded a Veni Fellowship by NWO, the Dutch Research Council.
2003–2005	I have been awarded a NASA <i>Chandra</i> Fellowship.
2003	I have been awarded the Charles and Katharine Darwin Non-Stipendiary Research Fellowship from Darwin College Cambridge, U.K.
2001–2003	I have been awarded a Marie Curie Fellowship from the European Commission.

Publication list

Refereed journals: first author

- (23) **Jonker, P. G.**, Nelemans, G., Bassa, C. G., 2006, M.N.R.A.S., accepted *Detection of the radial velocity curve of the B5–A0 supergiant companion star of Cir X–1?*
- (22) **Jonker, P. G.**, Bassa, C. G., Nelemans, G., Juett, A. M., Brown, E. F., Chakrabarty, D., 2006, M.N.R.A.S., 368, 1803 *The neutron star soft X-ray transient 1H 1905+000 in quiescence*
- (21) **Jonker, P. G.**, Campana, S., Steeghs, D., Torres, M.A.P., Galloway, D.K., Markwardt, C.B., Chakrabarty, D., Swank, J., 2005, M.N.R.A.S., 361, 511 *Chandra observations of the millisecond X-ray pulsar IGR J00291+5934 in quiescence*
- (20) **Jonker, P. G.**, Méndez, M., van der Klis, M., 2005, M.N.R.A.S., 360, 921, *Sidebands to the lower kilohertz quasi-periodic oscillation in 4U 1636–53*
- (19) **Jonker, P. G.**, Steeghs, D., Nelemans, G., van der Klis, M., 2005, M.N.R.A.S., 356, 621 *The radial velocity of the companion star in the low–mass X–ray binary 2S 0921–630: limits on the mass of the compact object*
- (18) **Jonker, P. G.**, Nelemans, G., 2004, M.N.R.A.S., 354, 355 *The distances to Galactic low–mass X–ray binaries: consequences for black hole luminosities and kicks*
- (17) **Jonker, P. G.**, Galloway, D.K., McClintock, J.E., Buxton, M., Garcia, M., Murray, S., 2004, M.N.R.A.S., 354, 666 *Optical and X–ray observations of the neutron star soft X–ray transient XTE J1709–267*
- (16) **Jonker, P. G.**, Gallo, E., Dhawan, V., Rupen, M., Fender, R.P., Dubus, G., 2004, M.N.R.A.S., 351, 1359 *Radio and X–ray observations during the outburst decay of the Black Hole Candidate XTE J1908+094*
- (15) **Jonker, P. G.**, Wijnands, R., van der Klis, M., 2004, M.N.R.A.S., 349, 94, *The faint neutron star soft X–ray transient SAX J1810.8–2609 in quiescence*
- (14) **Jonker, P. G.**, van der Klis, M., Kouveliotou, C., Méndez, M., Lewin, W.H.G., Belloni, T., 2003, M.N.R.A.S., 346, 684 *MS 1603.6+2600: an accretion disc corona source?*
- (13) **Jonker, P. G.**, Nelemans, G., Wang, Z., Kong, A.K.H., Chakrabarty, D., Garcia, M., Groot, P.J., van der Klis, M., Kerr, T., Mobasher, B. and 7 coauthors, 2003, M.N.R.A.S., 344, 201 *A search for the optical and near-infrared counterpart of the accreting millisecond X-ray pulsar XTE J1751–305*
- (12) **Jonker, P. G.**, Méndez, M., Nelemans, G., Wijnands, R., van der Klis, M., 2002, M.N.R.A.S., 341, 823 *Chandra observations of the neutron star soft X–ray transient RX J170930.2–263927 returning to quiescence*
- (11) **Jonker, P. G.**, van der Klis, M., Groot, P.J., 2002, M.N.R.A.S., 339, 663 *The mass of the neutron star in the low–mass X–ray binary 2A 1822–371*
- (10) **Jonker, P. G.**, Méndez, M., van der Klis, M., 2002, M.N.R.A.S., 336, L1 *KiloHertz quasi–periodic oscillations difference frequency exceeds inferred spin frequency in 4U 1636–53*
- (9) **Jonker, P. G.**, van der Klis, M., Homan, J., Méndez, M., Lewin, W.H.G., Wijnands, R., Zhang, W. 2002, M.N.R.A.S., 333, 665 *Low and high frequency variability as a function of spectral properties in the bright X–ray binary GX 5–1*
- (8) **Jonker, P. G.**, van der Klis, M., Homan, J., Méndez, M., van Paradijs, J., Belloni, T., Kouveliotou, C., Lewin, W.H.G., Ford, E.C. 2001, ApJ, 553, 335 *Discovery of a kilohertz Quasi–periodic oscillation in 2S 0918–549*
- (7) **Jonker, P. G.**, van der Klis, M. 2001, ApJ, 553, L43 *Discovery of an X–ray pulsar in the low–mass X–ray binary 2A 1822–371*

- (6) **Jonker, P. G.**, Méndez, M., van der Klis, M. 2000, ApJ, 540, L29 *Discovery of a new, third kilohertz quasi-periodic oscillation in 4U 1608-52, 4U 1728-34, and 4U 1636-53: Sidebands to the lower kilohertz quasi-periodic oscillation?*
- (5) **Jonker, P. G.**, Fender, R.P., Hambly, N.C., van der Klis, M., 2000, MNRAS, 315, L57 *The infrared counterpart of the Z source GX 5-1*
- (4) **Jonker, P. G.**, van der Klis, M., Wijnands, R., Homan, J., van Paradijs, J., Méndez, M., Ford, E.C., Kuulkers, E., Lamb, F.K., 2000, ApJ, 537, 374 *The power spectral properties of the Z source GX 340+0*
- (3) **Jonker, P. G.**, van der Klis, M., Homan, J., Wijnands, R., van Paradijs, J., Méndez, M., Kuulkers, E., Ford, E.C., 2000, ApJ, 531, 453 *Discovery of a ~ 1 Hz quasi-periodic oscillation in the low-mass X-ray binary 4U 1746-37*
- (2) **Jonker, P. G.**, van der Klis, M., Wijnands, R., 1999, ApJ, 511, L41 *A persistent ~ 1 Hz quasi-periodic oscillation in the dipping low-mass X-ray binary 4U 1323-62*
- (1) **Jonker, P. G.**, Wijnands, R., van der Klis, M., Psaltis, D., Kuulkers, E., Lamb, F.K., 1998, ApJ, 499, L191 *Discovery of kilohertz quasi-periodic oscillations in the Z source GX 340+0*

Submitted to refereed journals: first-author

- **Jonker, P. G.**, Bassa, C. G., Wachter, S., 2006, M.N.R.A.S., submitted *The quasi-persistent neutron star soft X-ray transient 1M 1716-315 in quiescence*

Published in refereed journals: co-author

- (30) Boutloukos, S., van der Klis, M., Altamirano, D., Klein-Wolt, M., Wijnands, R., **Jonker, P.G.**, Fender, R. P., 2006, accepted, ApJ *Discovery of twin kHz QPOs in the peculiar X-ray binary Circinus X-1*
- (29) Pearson, K.J., Hynes, R.I., Haswell, C.A., **Jonker, P.G.**, Steeghs, D., Charles, P.A., Horne, K., King, A.R., O'Brien, K., Robinson, E.L., ApJ, accepted, 2006, *Multiwavelength observations of EXO 0748-676-II. Emission Line Behavior*
- (28) Russell, D. M., Fender, R. P., Hynes, R. I., Brocksopp, C., Homan, J., **Jonker, P. G.** Buxton, M. M., 2006, M.N.R.A.S., accepted *Global optical/infrared-X-ray correlations in X-ray binaries: quantifying disc and jet contributions*
- (27) Gallo, E. Fender, R.P., Miller-Jones, J.C.A., Merloni, A., **Jonker, P.G.**, Heinz, S., Maccarone, T.J., van der Klis, M., M.N.R.A.S., 370, 1351, 2006, *A radio-emitting outflow in the quiescent state of A 0620-00: implications for modelling low-power black hole binaries*
- (26) Nelemans, G., **Jonker, P. G.**, Steeghs, D., 2006, M.N.R.A.S., 370, 255 *Optical spectroscopy of (candidate) ultra-compact X-ray binaries: constraints on the composition of the donor stars*
- (25) Cackett, E., Wijnands, R., Heinke, C. O., Pooley, D., Lewin, W. H. G., Grindlay, J. E., Edmonds, P.D., **Jonker, P. G.**, Miller, J. M. 2005, M.N.R.A.S., 369, 407 *A Chandra X-ray observation of the globular cluster Terzan 1*
- (24) Bassa, C.G., **Jonker, P. G.**, In't Zand, J.J.M., Verbunt, F., 2006, A&A, 446, L17 *Two new candidate ultra-compact X-ray binaries*
- (23) In 't Zand, **Jonker, P.G.**, Nelemans, G., O'Brien, K., Steeghs, D. 2005, A&A, 448, 1101, *Optical identification of IGR J19140+0951*
- (22) Altamirano, D., van der Klis, M., Méndez, M., Migliari, S., **Jonker, P.G.**, Tiengo, A., Zhang, W., 2005, ApJ, in press *The Island state of the Atoll Source 4U 1820-30*

- (21) Krauss, M., Wang, Z., Dullighan, A., Juett, A., Kaplan, D., Chakrabarty, D., van Kerkwijk, M., Steeghs, D., **Jonker, P.G.**, Markwardt, C.B., 2005, ApJ, 627, 910 *The X-Ray Position and Optical Counterpart of the Accretion-powered Millisecond Pulsar XTE J1814-338*
- (20) Maccarone, T.J., **Jonker, P.G.**, Sills, A.I., 2005, A&A, 436, 671, *Lithium enhancement in X-ray binaries due to stellar rotation*
- (19) Hendry, M.A., Smartt, S.J., Maund, J.R., Pastorello, A., Zampieri, L., Benetti, S., Turatto, M., Cappellaro, E., Meikle, W.P.S., Kotak, R., Irwin, M.J., **Jonker, P.G.**, Vermaas, L., Peletier, R.F., van Woerden, H., Exter, K.M., Pollacco, D.L., Leon, S., Verley, S., Benn, C.R., Pignata, G., M.N.R.A.S., 359, 906 *A study of the Type II-P supernova 2003gd in M74*
- (18) Cackett, E., Wijnands, R., Heinke, C.O., Edmonds, P.D., Lewin, W.H.G., Pooley, D., Grindlay, J.E., **Jonker, P.G.**, Miller, J.M., 2004, ApJ, 620, 922 *X-ray variability during the quiescent state of the neutron-star X-ray transient in the globular cluster NGC 6440*
- (17) Wijnands, R., Heinke, C.O., Pooley, D., Edmonds, P.D., Lewin, W.H.G., Grindlay, J.E., **Jonker, P.G.**, Miller, J.M., 2004, ApJ, 618, 883 *The hard quiescent spectrum of the neutron-star X-ray transient EXO 1745-248 in the globular cluster Terzan 5*
- (16) Migliari, S., Fender, R.p., Rupen, M., Wachter, S., **Jonker, P. G.**, Homan, J., van der Klis, M., M.N.R.A.S., 2004, 351, 186 *Radio detections of the neutron star X-ray binaries 4U 1820-30 and Ser X-1 in soft X-ray states*
- (15) Nelemans, G., **Jonker, P. G.**, Marsh, T.R., van der Klis, M., M.N.R.A.S., 348, L7, *Optical spectra of the carbon-oxygen accretion discs in the ultra-compact X-ray binaries 4U 0614+09, 4U 1543-624 and 2S 0918-549*
- (14) Fender, R., Wu, K., Johnston, H., Tzioumis, T., **Jonker, P. G.**, Spencer, R., van der Klis, M., Nature, 2004, 427, 222, *An ultra-relativistic outflow from a neutron star accreting gas from a companion*
- (13) Yuan, W., Fabian, A.C., Celotti, A., **Jonker, P. G.**, 2003, M.N.R.A.S., 346, L7, *Extended X-ray emission in the high-redshift quasar GB 1508+5714 at $z = 4.3$*
- (12) Wilson, C.A., Patel, S.K., Kouveliotou, C., **Jonker, P. G.**, van der Klis, M., Lewin, W.H.G., Belloni, T., Mariano, M., 2003, ApJ, 596, 1220 *Chandra Observations of the Faintest Low-Mass X-Ray Binaries*
- (11) Fender, R., Gallo, E., **Jonker, P. G.**, 2003, M.N.R.A.S., 343, L99 *Jet-dominated states: an alternative to advection across black hole event horizons in 'quiescent' X-ray binaries*
- (10) Migliari, S., Fender, R. P., Rupen, M., **Jonker, P. G.**, Klein-Wolt, M., Hjellming, R. M.; van der Klis, M., 2003, M.N.R.A.S., 342, L67 *Disc-jet coupling in an atoll-type neutron star X-ray binary: 4U 1728-34 (GX 354-0)*
- (9) Jouteux, S., Stappers, B., Ramachandran, R., van der Klis, M., **Jonker, P. G.**, 2002, A&A, 384, 532 *Analysis of Fourier Techniques for searching for pulsars in close binary systems.*
- (8) Homan, J., van der Klis, M., **Jonker, P. G.**, Wijnands, R., Kuulkers, E., Méndez, M., Lewin, W.H.G., 2002, ApJ, 568, 878 *RXTE Observations of the Neutron Star Low-Mass X-Ray Binary GX 17+2: Correlated X-Ray Spectral and Timing Behavior*
- (7) Yu, W., van der Klis, M., **Jonker, P. G.**, The Astrophysical Journal, 2000, ApJ, 559, L29 *Dependence of the kHz QPO properties on the Normal Branch Oscillation phase in Scorpius X-1*
- (6) Brocksopp, C., **Jonker, P. G.**, Fender, R.,P., Groot, P.J., van der Klis, M., Tingay, S.J. 2001, MNRAS, 323, 517 *The 1997 hard state outburst of the X-ray transient GS 1354-64/ BW Cir*
- (5) Boyd, P.T., Smale, A., Homan, J., **Jonker, P. G.**, van der Klis, M., Kuulkers, E. 2000, ApJ, 542, L127 *Canonical Timing and spectral behavior of LMC X-3 in the low/hard state*

- (4) Ford, E.C., van der Klis, M., Méndez, M., Wijnands, R., Homan, J., **Jonker, P. G.**, van Paradijs, J. 2000, ApJ, 537, 368 *Simultaneous measurements of X-ray luminosity and kilohertz quasi-periodic oscillations in low-mass X-ray binaries*
- (3) Psaltis, D., Wijnands, R., Homan, J., **Jonker, P. G.**, van der Klis, M., Miller, M.C., Lamb, F.K., Kuulkers, E., van Paradijs, J., Lewin, W.H.G., 1999, ApJ, 520, 763 *On the magnetospheric beat-frequency and Lense-Thirring interpretations of the horizontal branch oscillation in the Z sources*
- (2) Homan, J., **Jonker, P. G.**, Wijnands, R., van der Klis, M., van Paradijs, J., 1999, ApJ, 516, L91 *A variable 0.58–2.44 Hz quasi-periodic oscillation in the eclipsing and dipping low-mass X-ray binary EXO 0748–676*
- (1) Psaltis, D., Méndez, M., Wijnands, R., Homan, J., **Jonker, P. G.**, van der Klis, M., Lamb, F.K., Kuulkers, E., van Paradijs, J., Lewin, W.H.G., 1998, ApJ, 501, 95 *The beat-frequency interpretation of kilohertz quasi-periodic oscillations in neutron star low-mass X-ray binaries*

Submitted to refereed journals: co–author

- Heinke, C.O., **Jonker, P.G.**, Wijnands, R., Taam, R.E., submitted, 2006, ApJ Letters, *Constraints on Thermal X-ray Radiation from SAX J1808.4-3658 and Implications for Neutron Star Neutrino Emission*
- Torres, M.A.P., **Jonker, P.G.**, Steeghs, D., et al. , 2006, submitted, ApJ, *Observations of the 599 Hz accreting X-ray pulsar IGR J00291+5934 during the 2004 outburst and in quiescence*
- Altamirano, D., van der Klis, M., Méndez, M., Klein-Wolt, M., van Straaten, S., **Jonker, P.G.**, Lewin, W.H.G., Homan, J., submitted, 2006, ApJ, *X-ray time variability of the atoll source states of 4U 1636–53*

IAU Circulars and Astronomers telegrams

- (30) Torres, M. A. P., Steeghs, D., Garcia, M. R., McClintock, J. E., Berlind, P., Zhao, P., **Jonker, P. G.**, Callanan, P. J., 2006 Atel, 862
- (29) **Jonker, P. G.**, Swank, J. H., Kuiper, L., Homan, J., Markwardt, C. B., 2006 Atel, 811
- (28) Torres, M. A. P., Steeghs, D., Garcia, M. R., McClintock, J. E., **Jonker, P. G.**, Kaplan, D., Casares, J., Greimel, R., Augusteijn, T., 2006, Atel, 784
- (27) Krauss, M. I., Juett, A. M., Chakrabarty, D., **Jonker, P. G.**, Markwardt, C. B., 2006, Atel, 777
- (26) Steeghs, D., Torres, M. A. P., **Jonker, P. G.**, 2006, Atel, 768
- (25) Torres, M. A. P., Steeghs, D., Garcia, M., McClintock, J., Berlind, P., Zhao, P., Calkins, M., **Jonker, P. G.**, Callanan, P. J., Marsh, T., 2006, Atel, 763
- (24) Torres, M. A. P., Steeghs, D., McClintock, J., Garcia, M., Brandeker, A., Nguyen, D., **Jonker, P. G.**, Miller, J. M., 2006, Atel, 749
- (23) Steeghs, D., Torres, M. A. P., Miller, J., **Jonker, P. G.**, 2006, Atel, 740
- (22) Torres, M. A. P., Steeghs, D., **Jonker, P. G.**, Luhman, K., McClintock, J. E., Garcia, M. R., 2006, Atel, 733
- (21) Rea, N., Testa, V., Israel, G. L., Antonelli, A., **Jonker, P.**, Belloni, T., Campana, S., Stella, L., 2006, Atel, 713
- (20) Kuiper, L., Keek, S., Hermsen, W., **Jonker, P. G.**, Steeghs, D., 2006, Atel, 684
- (19) Kuiper, L., **Jonker, P. G.**, Hermsen, W., O'Brien, K., 2005, Atel, 654
- (18) Torres, M.A.P., Steeghs, D., Garcia, M., McClintock, J.E., **Jonker, P.G.**, Callanan, P.J., 2005, Atel, 634

- (17) Steeghs, D., Torres, M.A.P., Koviak, K., McCarthy, P., **Jonker, P.G.**, 2005, Atel, 629
- (16) Torres, M. A. P., Steeghs, D., Blake, C., **Jonker, P. G.**, Garcia, M.R., McClintock, J.E., Miller, J., Zhao, P., Calkins, M., Berlind, P., Falco, E., Bloom, J., Callanan, P., Rodriguez-Gil, P., 2005, Atel, 566
- (15) Torres, M. A. P., Steeghs, D., Garcia, M.R., McClintock, J.E., Miller, J., **Jonker, P. G.**, Callanan, P., Zhao, P., Huchra, J., Vivian, U., Hutcheson, C., 2005, Atel, 551
- (14) Steeghs, D., Torres, M. A. P., Garcia, M.R., McClintock, J.E., Miller, J., **Jonker, P. G.**, Callanan, P., Zhao, P., Berlind, P., Hutchins, R., Watson, C., 2005, Atel, 543
- (13) Laycock, S., Zhao, P., Torres, M. A. P., Wijnands, R., Steeghs, D., Grindlay, J., Hong, J., **Jonker, P. G.**, 2005, Atel, 522
- (12) Juett, A.M., Kaplan, D.L., Chakrabarty, D., Markwardt, C.B., **Jonker, P. G.**, 2005, Atel, 521
- (11) Rea, N., Testa, V., Israel, G. L., Antonelli, A, **Jonker, P. G.**, et al., 2005, Atel, 515
- (10) Steeghs, D., Torres, M.A.P., **Jonker, P. G.**, Chen, H., Green, P., Miller, J., Garcia, M.R., 2005, Atel, 494
- (9) Steeghs, D., Torres, M.A.P., **Jonker, P. G.**, Miller, J., Green, P., Rakowski, C., 2005, Atel, 478
- (8) Torres, M.A.P., Steeghs, D., **Jonker, P. G.**, Martini, P., 2005, Atel, 417
- (7) Steeghs, D., Blake, C., Bloom, J.S., Torres, M.A.P., **Jonker, P. G.**, Starr, D., 2004, Atel, 363
- (6) Roelofs, G., **Jonker, P. G.**, Steeghs, D., Torres, M.A.P., Nelemans, G., 2004, Atel, 356
- (5) Rupen, M., **Jonker, P. G.**, Mioduszewski, A.J., Dhawan, V., Fender, R.P., Dubus, G., 2004, Atel, 315
- (4) **Jonker, P. G.**, Buxton, M., McClintock, J.E., 2004, Atel, 262
- (3) McClintock, J.E., Murray, S., Garcia, M., **Jonker, P. G.**, 2004, Atel 205
- (2) **Jonker, P. G.**, Nelemans, G., Groot, P., van der Klis, M., Hjorth, J., Delsanti, A., Stappers, B. 2002, IAU Circ. 7872
- (1) Homan, J., **Jonker, P. G.**, van der Klis, M., & Kuulkers, E. 2000, IAU Circ. 7425