

Publications year: 2000

1. Bachev, R., Strigachev, A., Dimitrov V., VRI comparison stars for selected active galaxies, 2000, *A&AS*, **147**, 175
2. Bachev, R., Slavcheva-Mihova, L., 2000, Search for Optical Variability in Two Seyfert Galaxies, Proc. of the Second Serbian-Bulgarian Astronomical Meeting, 23-26, June, 2000, Zajecar, Serbia. (eds) M. S. Dimitrijevic, L. C. Popovic, M. Tsvetkov. *Publ. of Astr. Obs., Belgrade*, **67**, 3
3. Bochev, A. Z., Dermendjiev, V. N., Dimitrova, I. I., Koleva, K. Zh., 2000, The Field-Aligned Currents System Response to WLF-CME on November 6, 1997, *Proc. of COSPAR Conf.*, Kiev, February 2000, 328
4. Bonev, B., Komitov, B., New Two-Variable Fits for the Scale Lengths of CN and its Parent Molecule in Cometary Atmospheres: Application to the Identification of the CN Parent, 2000, *DPS*, **32**, 4105
5. Bonnet-Bidaud, J. M.; Mouchet, M.; Shakhovskoy, N. M.; Somova, T. A.; Somov, N. N.; Andronov, I.; de Martino, D.; Kolesnikov, S.; Kraicheva, Z., Magnetic field and unstable accretion during the AM Herculis low states, 2000, in Magnetic Fields of Chemically Peculiar and Related Stars, *Proc. of the Inter. Meeting*, Yu.V. Glagolevskij and I.I. Romanyuk (eds.), p. 230
6. Bonnet-Bidaud, J. M.; Mouchet, M.; Shakhovskoy, N. M.; Somova, T. A.; Somov, N. N.; Andronov, I. L.; de Martino, D.; Kolesnikov, S. V.; Kraicheva, Z., Magnetic field and unstable accretion during AM Herculis low states, 2000, *A&A*, 354, 1003-1010 7. Borissova J., Georgiev L., Rosado M., Kurtev R., Bullejos A., Valdez-Gutierrez M., Infrared photometry of the Local Group dwarf irregular galaxy IC 10, 2000, *A&A*, **363**, 130-140
8. Borissova, J., Georgiev, L., Kurtev, R., Rosado, M., Ivanov, V. D., Richer, M., Valdez-Gutiérrez, M., The Red Stellar Contents of Three Selected Fields of the Local Group Dwarf Irregular Galaxy IC 1613, 2000, *RMxAA*, **36**, 151
9. Borissova, J., Ivanov, V. D., Catelan, M., The Population II Cepheid in the Galactic globular cluster Palomar 3, 2000, *IBVS*, 4919, 1-4
10. Borissova, J., Valchev, T., Catelan, M., Ferraro, F. R., Sweigart, A. V., The Variable Stars in NGC 6229, 2000, *ASP Conf. Ser.*, **203**, 274
11. Brosh, N., Hudec, R., Kroll, P., Tsvetkov, M., Saving the Astronomical Treasures, 2000, *Proc. of the Colloquium New Era of the Wide-Field Astronomy*, August 21-25, Preston, England
12. Denchev, P., Photometry and synodic periods of 11 asteroids during their 1998 and 1999 apparitions, 2000, *P&SS*, **48 (10)**, 987-992
13. Denchev, P., Shkodrov, V. Ivanova, V., Synodic periods of 333 Badenia, 402 Choe, 481 Enita, 2000, *P&SS*, **48 (10)**, 983-986
14. Georgiev, T. B., The brightest resolved objects and the distance to the galaxy: M 82, 2000, *Compt. Rend. Acad. Bulg. Sci.*, **53/2**, 5-8
15. Georgiev, T. B., Photometry of the resolved objects in the dwarf galaxy UGC 685, 2000, *Compt. Rend. Acad. Bulg. Sci.*, **53/9**, 5-8

Publications year: 2000

16. Georgiev, T. B., Atanasova, E. G., Velitchkov, M. T., Stellar photometry in the dwarf galaxy LGS 3, 2000, *Compt. Rend. Acad. Bulg. Sci.*, **53/12**, 5-8
17. Golev, V., Kurtev, R., Dermendjiev, V. N., Mouradian Z., 2000, Long slit Spectra of Prominence-Corona Transition Region during the 1999 Total Solar Eclipse, *Proc. of the Inter. Conf. First Results of the 1999 Total Eclipse Observations*, Varna, Bulgaria, September 11-15, 2000.
18. Gulyaev, R. A., Vanyarkha, N. Ya., Gavrilov, M. G., Dermendjiev, V. N., Makarova, N. R., Shcheglov, P. V., 2000, Observations of the total solar eclipse on August 11, 1999. in *Structure and Dynamics of the Solar Corona*, ed. B. Filippov, Troitsk, IZMIRAN, 56
19. Gulyaev, R., Dermendjiev, V. N., Gavrilov, M., Detchev, M., Petrov, N., Sheheglov, P., 2000, Calcium-II and Sodium Resonance Emissions on the Eclipsed Sky on August 11, 1999, *Proc. of the Intern. Conf. "First Results of the 1999 Total Eclipse Observations"*, Varna, Bulgaria, September 11-15, 1999, p. 69.
20. Iliev, L., Spectral Changes of Pleione – Start of a New Cycle?, 2000, in *Proc. of IAU Coll. 175 The Be-phenomenon in early type stars*, Alicante, Spain, 1999, eds. M. Smith, H. Henrichs and J. Fabregat, p. 566-569
21. Iliev, I. Ts., Dermendjiev, V. N., Petrov, N. I., 2000, Spectrometric Registrations of 1999 Eclipse Corona 380 - 460 nm region, *Proc. of the Inter. Conf. First Results of the 1999 Total Eclipse Observations*, Varna, Bulgaria, September 11-15, 1999, p. 83.
22. Ivanov, V. D., Borissova, J., Vanzi, L., Deep near infrared photometry of new Galactic globular clusters, 2000, *A&A*, **362**, L1
23. Ivanov, V. D., Borissova, J., Alonso-Herrero, A., Russeva, T., Extending the Red Giant Branch versus Metallicity Calibration toward Metal-poor Systems: Near-Infrared Photometry of the Galactic Globular Clusters M56 and M15, 2000, *AJ*, **119**, 2274
24. Ivanova, V., Bilkina, B., Vasileva, L., 2000, Follow up observations of Asteroids, *MPC*, No 39714.
25. Ivanova, V., Bilkina, B., 2000, Follow up observations of Asteroids, *MPC*, No 40917
26. Ivanova, V., Apostolovska, G., Bilkina, B., Vasileva, L., Umlenski, V., 2000, Follow up observations of Asteroids, *MPC*, No 41084
27. Ivanova, V., Apostolovska, G., Bilkina, B., Borisov, G., Vasileva, L., Umlenski, V., Marinov, A., 2000, Observations of Small Bodies in the Solar System, *MPC*, No 41263
28. Jockers, K., Credner, T., Bonev, T., Kisele, V. N., Korsun, P., Kulyk, I., Rosenbush, V., Andrienko, A., Karpov, N., Sergeev, A., Tarady, V., Exploration of the solar system with the Two-Channel Focal Reducer at the 2m-RCC telescope of Pik Terskol Observatory, 2000, *KFNTS*, **3**, 13
29. Jockers, K., Bonev, T., Korsun, P., Karpov, N., Sergeev, A., Tarady, V., Water production of comets derived from observations of [OI] (6300 ?) and H₂O⁺ (6150 ?): comets C/1998 U5 (Linear) and C/1999 J3 (Linear), 2000, *KFNTS*, **3**, 262

Publications year: 2000

30. Kirilova, D., Chizhov, M., Non-GUT Baryogenesis and Large Scale Structure of the Universe, 2000, *MNRAS*, **314**, 256-262
31. Kirilova, D., Chizhov, M., Cosmological nucleosynthesis and active-sterile neutrino oscillations with small mass differences: The resonant case, 2000, *Nucl. Phys.* **B591**, 457-468.
32. Kirilova, D., Chizhov, M., Big Bang Nucleosynthesis and Cosmological Constraints on Neutrino Oscillations Parameters, *Proc. of the Intern. Workshop Hot Points in Astrophysics*, Dubna, Russia, 22-26 August, 2000, p.56-66.
33. Kirilova, D., Chizhov, M., Neutrino Oscillations in the Early Universe, 2000, in *Europhysics Neutrino Oscillations Workshop*, Conca Specchiulla, Otranto, Lecce, Italy 11-16 Sept., Pub. in Otranto, 360-362.
34. Kiselev, N. N., Jockers, K., Rosenbush, V. K., Velichko, F. P., Bonev, T., Karpov, N., Anomalous wavelength dependence of polarization of Comet 21P//Giacobini-Zinner, 2000, *P&SS*, **48**, 1005
35. Kokotaneikova, J., Kokotaneikov, D., Petrov, N., Dermendjiev, V. N., Duchlev, P., Observations of Prominences during the 1999 Total Solar Eclipse, 2000, in *First Results of 1999 Total Solar Eclipse Observations*, *Proc. of the Intern. Conf. Varna, Bulgaria, 11-15 September, 2000*, ed. D. N. Mishev, and K. J. H. Phillips, p. 119.
36. Kolev, D., Tomov, T., Mikolajewski, M., High-velocity Outflows in Symbiotic Systems, 2000, *Bulg. J. Phys.*, **27(2)**, 20-23
37. Komitov, B., Bonev, B., Bonev, T., Ivanova, A., CCD Photometry of Comet C/1999 S4 (LINEAR) at 387 nm: First Results, 2000, *DPS*, **32**, 4121
38. Komitov, B., Bonev, B., The Violations of the Rule of Gnevyshev-Ohl in the Schöve Series. Does the Current 11-year Cycle No. 23 Indicate a New Centennial Solar Minimum?, 2000, *SPD*, **310**, 2116
39. Konstantinova-Antova, R. K., Antov, P., Flares in the Active Giant V390 Aur, 2000, in: *Proc. UKRASTRO-2000, JENAM Associated Symposium*, 5-8 June, 2000, Kiev, Ukraine, Ya. S. Yatskiv (ed.), *Kinematika i Fizika Nebesnih Tel*, 3, 342
40. Konstantinova-Antova, R. K., Antov, A. P., Bachev, R. S., Flares in the Active Giant V390 Aur, 2000, *IBVS*, 4867, 1-4
41. Kokotaneikova, J., Kokotaneikov, D., Petrov, N., Dermendjiev, V. N., Duchlev, P., 2000, Observations of Prominences during the 1999 Total Solar Eclipse, 2002, in *First Results of 1999 Total Solar Eclipse Observations*, *Proc. of the Intern. Conf. Varna, Bulgaria, 11-15 September, 2000*, D. Mishev, and K.J.H. Phillips (eds.), Sofia, p. 119.
42. Kurtev, R., Sholukhova, O., Borissova, J., Georgiev, L. B Photometry of Romano's Star in M 33, 2000, *IBVS*, **4922**, 1-4
43. Madjarska, M. S., Vial, J-C., Bocchialini, K., Dermendjiev, V. N., Plasma Diagnostics of a Prominence Observed on 12 June 1997 by EIT, SUMER and CDS, 2000, *Proc. 8th SOHO Workshop Plasma Dynamics and Diagnostics in the Solar Transition Region and Corona*, Paris,

Publications year: 2000

France, 22-25 June 1999, (ESA SP-446, October 1999), 467.

44. Madjarska, M., S., Bocchialini, K., Vial, J.-C., Dermendjiev, V., N., Plasma parameters of a quiescent prominence observed on October 16/17, 1999 by SUMER and CDS/SOHO, 2000, in *IAU Symp 203, Recent insight into the Physics of the Sun and Heliosphere: Highlights from SOHO and Other Space Missions*, 410.
45. Markova, N., Valchev, T., Spectral variability of luminous early type stars. I. Peculiar supergiant HD199478, 2000, *A&A*, **363**, 995
46. Markova, N., New aspects of line-profile variability in P Cygni's optical spectrum, 2000, *A&AS*, **144**, 391
47. Markova, N., Morrio, N., de Grot, M., Kolka, I., Long-term Spectral and Photometric Variability of P Cygni, 2000, *ASP Conf. Ser.*, **204**, 111-112
48. Michalowski, T., Pych, W., Barthier, J., Kryszczyńska, A., Kwitkowski, T., Boussunge, J., Fauant, S., Denchev, P., Baranowski, R., CCD photometry, spin and shape of five asteroids: 225, 360, 416, 516 and 1223, 2000, *A&AS*, **146**, 471-479
49. Nedialkov, P., Veltchev, T., Toward the extinction in compact HII regions in M31, 2000, in *Proc. of WE-Heraeus Seminar*, 22-25 May 2000, Bad Honnef, Germany, p. 107-110
50. Okten, A., Dermendjiev, V. N., Petrov, N. I., Ozisik, T., Morphology and Dynamics of an Eruptive Prominence, 2000, in *The Sun and Space Weather*, 24th Meeting of the IAU, Joint Discussion 7, August 2000, 330.
51. Okten, A., Dermendjiev, V. N., Petrov, N., Ozisik, T., Esenogly, H., Morphology and evolution of a H-alpha Eruptive Prominence, 2000, *Bulg. J. Phys.*, **27**, suppl.1, 85.
52. Okten, A., Ozkan, T., Ozisik, T., Dermendjiev, V. N., et al.: 2000, Eclipse Observations of Istanbul University and Abastumani Astrophysical Observatory, 2000, *Proc. of the Inter. Conf. First Results of the 1999 Total Eclipse Observations*, Varna, Bulgaria, September 11-15, p. 93.
53. Ozisik, T., Okten, A., Dermendjiev, V. N., Ozkan M. T., Petrov N., Polar Plumes Observation during the August 11, 1999 Total Solar Eclipse, 2000, *Proc. of the Inter. Conf. First Results of the 1999 Total Eclipse Observations*, Varna, Bulgaria, September 11-15, 2000, p. 111.
54. Ozkan M. T., Kulijanishvili, V., Ozisik, T., Okten, A., Dermendjiev, V. N., 1999 Solar Eclipse Corona in Polarized White Light, 2000, *Bulg. J. Phys.*, **27(2)**, 24.
55. Ozkan M. T., Ozisik, T., Okten, A., Kulijanishvili, V., Petrov N., White-Light Polarization Observations during the August 11, 1999 Total Solar Eclipse, 2000, *Proc. of the Inter. Conf. First Results of the 1999 Total Eclipse Observations*, Varna, Bulgaria, September 11-15, 2000, 51.
56. Panov, K., Goranova, Yu., Genkov V., Photoelectric observations of the flare star YZ CMi in 1999 – 2000, 2000, *IBVS*, **4917**, 1-4
57. Panov, K. P., Altmann M., Seggewiss W., Long-term photometry of the Wolf-Rayet stars WR 137, WR 140, WR 148, and WR 153, 2000, *A&A*, **355**, 607.

Publications year: 2000

58. Petkov, B., Gogosheva, Ts., Krastev, D., The Total Ozone Content over Bulgaria during the Solar Eclipse on 11 August 1999. 2000, *2nd Symposium on Applied Electromagnetism of Trans Black Sea Region*, 27-29, June 2000. Xanthi, Greece.
59. Petkov, B., Gogosheva, Ts., Krastev, D., The UV-Radiation and the Ozone Content during the Solar Eclipse on 11 August 1999. *Fourth General Conference of the Balkan physical Union*, Veliko Turnovo, 22-27 August 2000.
60. Petrov, N., Ozkan, T., Dermendjiev, V. N., Okten, A., Rompolt, B., Structure, Brightness Distribution and Flattening of the 1999 Eclipse Corona, 2000, *Proc. of the Inter. Conf., First Results of the 1999 Total Eclipse Observations*, Varna, Bulgaria, September 11-15, 2000, p. 57.
61. Reig, P., Negueruela, I., Coe, M. J., Fabregat, J., Tarasov, A. E., Zamanov, R. K., Correlated V/R and infrared photometric variations in the Be/X-ray binary LS I +61° 235/RX J0146.9+6121, 2000, *MNRAS*, **317**, 205
62. Russeva, T. S., The RV Tauri star V6 in Globular Cluster M56, 2000, *IBVS*, **4846**, 1-4
63. Schmieder, B., Delanée, C., Deng Y. Y., Vial, J.-C., Madjarska, M. S., 2000, Multiwavelength Study of the slow "Disruption Brusque" of a Filament Observed with SoHO, *A&A*, **358**, 728.
64. Semkov, E. H., Young Binary and Multiple Systems in the Star Forming Regions NGC 7129 and NGC 7000, in Reipurth, B. and Zinnecker, H. (eds.), *Birth and Evolution of Binary Stars*, *Poster Proc. of the IAU Symp. No 200 The Formation of Binary Stars*, 2000, p 121
65. Semkov, E. H., Tsvetkova, K. P., Tsvetkov, M. K., Flare Star Activity in the Open Cluster Alpha Persei, 2000, *Astron. Nachrichten*, **321**, 161
66. Shopov, Y. Y., Tsankov, L., T. Belchev, St., Rusanov, V., Ivanov, D., Stoev, A., Stoev, St., Petrov, D. H., Savcheva, A., Vrigazov, L., Kokotanekov, D., Kokotanekova, Y., Tsvetkov, M., Lukarsky, Hr., Nikolov, A., Deltchev P., Registration of the Remote Eclipse Solar Corona in Infrared Light 2000, *Proc. of the Inter. Conf. First Results of the 1999 Total Eclipse Observations*, Varna, Bulgaria, September 11-15, 2000.
67. Shopov, Y. Y., Tsankov, L., Stoykova, D., Belchev, St., Stoev, St. Tanev, A., Petrov, D. H., Ivanov, D., Burin, Kl., Rusanov, V., Yalamov, T., Delchev, P., Ostromsky, Ts., Vrigazov, L., Stoev, A., Muglova, P., Kokotanekova, J., Kokotanekov, D., Varbanova, Yu., Getsova, I., Krumov, A., Tsvetkov, M., Lukarsky, Ch., Results of Photometric Observations in the frame of the National Programme for Research during the 1999 Total Solar Eclipse in Bulgaria, 2000, *Proc. of the Inter. Conf. First Results of the 1999 Total Eclipse Observations*, Varna, Bulgaria, September 11-15, 2000
68. Stavrev, K. Y., Study of the Large Voids in the Spatial Distribution of Galaxy Clusters in the Northern Galactic Hemisphere, 2000, *A&AS*, **144**, 323
69. Tomov, N., Tomova, M., UBV Observations of AG Dra in the end of the last active phase and after it, 2000, *IBVS*, **4953**, 1-4
70. Tomov, N. A., Tomova, M. T., Ivanova, A., Analysis of the U-band orbital variation of the symbiotic binary AG Draconis during quiescence, 2000, *A&A*, **364**, 557

Publications year: 2000

71. Tsvetkov, M. K., Stavinschi, M., Tsvetkova, K. P., Stavrev, K. Y., Lukarski, H. D., Christov, S. T., Popov, V. N., Semkov, E. H., The Wide-Field Plate Database: Towards a European Plate Centre, 2000, *Baltic Astr.*, **9**, 613
72. Tsvetkov, M. K., Stavinschi, M., Tsvetkova, K. P., Stavrev, K. Y., Bocsa, G., Popov, V. N., Cristescu, C., Wide-Field Plate Database: The Bucharest Plate Catalogues, 2000, *Baltic Astr.*, **9**, 573
73. Tsvetkov, M., Stavinschi, M., Tsvetkova, K., Stavrev, K., Bocsa, G., Popov, V., Cristescu, C., The Bucharest Observatory photographic observations in the Wide-Field Plate Database, 2000, *Rom. Ast. J.*, **10**, 177
74. Tsvetkov, M. Tsvetkova, K. Stavrev, K. Popov, V., The Wide- Field Plate Archives in Europe, 2000, *Publ. Astron. Obs. Beograd*, **67**, 123-128
75. Tsvetkov, M. K., Tsvetkova, K., Stavrev, K., Popov, V., Lukarski, H., Borisova, A., Michailov, M.-E. S., Borisov, G., Christov, S., Sofia Sky-Archive Data Center: Photographic Plate Collections for Developing Countries, 2000, 24th General Assembly of the IAU, Astronomy for Developing Countries, Special Session, August 2000, Manchester, England, 24, 60
76. Tsvetkov, M., Stavinschi, M., Tsvetkova, K., Stavrev, K., Bocsa, G., Popov, V., Cristescu, C., The Bucharest Observatory Photographic Observations in the Wide-Field Plate Database, 2000, *Rom. Astron. J.* **10(2)**, 177-186.
77. Valdez-Gutiérrez, M., Rosado, M., Georgiev, L., Lacey, C., Borissova, J., Kurtev, R., Kinematics of the Ionized Gas in Irregular Galaxies: IC 1613 and NGC 4449, 2000, *ASPC*, **195**, 346
78. Zamanov, R., Mart?, J., First correlation between compact object and circumstellar disk in the Be/X-ray binaries, 2000, *A&A*, **358**, L55
79. Zamanov, R. K., Mart?, J., Confirmation of a Moving Component in the H γ Emission Line of LS I+61 $^{\circ}$ 303, 2000, *ASP Conf. Ser.*, **214**, 731
80. Zhilyaev, B. E., Romanyuk, Ya. O., Verlyuk, I. A., Svyatogorov, O. A., Khalack, V. R., Sergeev, A. V., Konstantinova-Antova, R. K., Antov, A. P., Bachev, R. S., Alekseev, I. Yu., Chalenko, V. E., Shakhovskoy, D. N., Contadakis, M. E., Avgoloupis, S. J., High-frequency optical oscillations on the flare star EV Lacertae, 2000, in: *Proc. UKRASTRO-2000, JENAM Associated Symposium*, 5-8 June, 2000, Kiev, Ukraine, Ya.S. Yatskiv (ed.), *Kinematika i Fizika Nebesnykh Tel*, Suppl, No. 3, 339
81. Zhilyaev, B. E., Romanyuk, Ya. O., Verlyuk, I. A., Svyatogorov, O. A., Khalack, V. R., Sergeev, A. V., Konstantinova-Antova, R. K., Antov, A. P., Bachev, R. S., Alekseev, I. Yu., Chalenko, V. E., Shakhovskoy, D. N., Contadakis, M. E., Avgoloupis, S. J., Detection of high-frequency optical oscillations on the flare star EV Lacertae, 2000, *A&A*, **364**, 641
82. Гогошева, Цв., Петков, Б., Кръстев., Д., Озон и биологично активната ултравиолетова радиация на Слънцето. 2000, *Седма нац. конференция Съвременни проблеми на слънчево-земните въздействия*, София, p. 99.
83. Петков, Б., Гогошева, Цв., Вернер, Р., Кръстев. Д., Поведение на общото съдържание на

Publications year: 2000

атмосферния озон по време на слънчевото затъмнение от 11 август 1999г. по данни от UV-спектрофотометър Фотон-2, 2000, *Седма нац. конференция Съвременни проблеми на слънчево-земните въздействия*, София, р. 95.