

1.

**Title:** Analysis of the thermal performance of a building design located at 2465 m: Antalya Saklıkent National Observatory Guesthouse, Building and Environment  
**Authors:** F. N. Demirbilek,; U. G. Yalçın,; A. Ecevit,; E.Şahmalı,; M. İnanıcı  
**Journal:** 38 (1): 177-184  
**Publication Date:** 01/2003  
**Keywords:**  
**ADS:**  
Abstract  
Not Available

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2.

**Title:** New Times of Minima of Eclipsing Binary Systems  
**Authors:** Yakut, K.; Erkan, N.; Ulas, B.; Keskin, V.  
**Journal:** Information Bulletin on Variable Stars, 5360, 1.  
**Publication Date:** 01/2003  
**Keywords:** Photoelectric photometry, Binaries: eclipsing  
**ADS:** [2003IBVS.5360....1Y](#)  
Abstract  
We present several photoelectric minima observations of 3 eclipsing binaries.

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3.

**Title:** Photoelectric Minimum Times of Some Eclipsing Binary Stars  
**Authors:** Ak, H.; Özeren, F. F.; Ekmekçi, F.  
**Journal:** Information Bulletin on Variable Stars, 5361, 1.  
**Publication Date:** 01/2003  
**Keywords:** Binaries: eclipsing; Minimum Times  
**ADS:** [2003IBVS.5361....1A](#)  
Abstract  
We present 12 minimum times of 6 eclipsing binaries observed in the years from 1996

to 1999.

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4.

**Title:** New Times of Minima of Eclipsing Binary Systems  
**Authors:** Hegedus, T.; Borkovits, T.; Biro, I. B.; Demircan, O.; Erdem, A.; Cicek, C.; Ozdemir, S.; Bulut, I.; Soydugan, F.; Soydugan, E.; Degirmenci, O. L.; Bozkurt, Z.; Yakut, K.; Esenoglu, H.; Sztettele, I.  
**Journal:** Information Bulletin on Variable Stars, 5372, 1.  
**Publication Date:** 02/2003  
**Keywords:** Photoelectric photometry  
**ADS:** [2003IBVS.5372....1H](#)  
Abstract  
We present several photoelectric minima observations of 7 eclipsing binaries.

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5.

**Title:** Photoelectric Minima of Some Eclipsing Binary Stars  
**Authors:** Tanriverdi, T.; Kutdemir, E.; Elmasli, A.; Senavci, H. V.; Albayrak, B.; Selam, S. O.; Aydin, C.; Aksu, O.; Bulca, I.; Cinar, D.; Kara, A.; Demirhan, M.; Yilmaz, M.; Cetintas, C.; Gozler, A. P.; Karakas, T.; Sezgin, A. S.; Turhanoglu, B.  
**Journal:** Information Bulletin on Variable Stars, 5407, 1.  
**Publication Date:** 05/2003  
**Keywords:** Minima Times  
**ADS:** [2003IBVS.5407....1T](#)  
Abstract  
We present 18 minima times of 10 eclipsing binaries.

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6.

**Title:** 162-nd List of Minima Timings of Eclipsing Binaries by BBSAG Observers  
**Authors:** Diethelm, Roger  
**Journal:** Information Bulletin on Variable Stars, 5438, 1.  
**Publication Date:** 07/2003  
**Keywords:** Minima Times  
**ADS:** [2003IBVS.5438....1D](#)  
Abstract  
Not Available

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7.

**Title:** Photoelectric Minimum Times of Some Eclipsing Binary Stars  
**Authors:** Derman, E.; Kalci, R.  
**Journal:** Information Bulletin on Variable Stars, 5439, 1.  
**Publication Date:** 07/2003  
**Keywords:** Binaries: eclipsing; Minimum Times  
**ADS:** [2003IBVS.5439....1D](#)  
Abstract  
We present 24 minimum times of 7 eclipsing binaries observed in the years from 2001 to 2003.

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8.

**Title:** Photoelectric Minimum Times of Some Eclipsing Binary Stars  
**Authors:** Ak, H.; Filiz, N.  
**Journal:** Information Bulletin on Variable Stars, 5462, 1.  
**Publication Date:** 10/2003  
**Keywords:** Minimum Times  
**ADS:** [2003IBVS.5462....1A](#)  
Abstract  
We present 15 minimum times of 8 eclipsing binaries observed in the years from 2001 to 2003 and in 1998 only for V436 Per.

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9.

**Title:** Photoelectric Minima of Some Eclipsing Binary Stars  
**Authors:** Muyesseroglu, Z.; Torun, E.; Ozdemir, T.; Gürol, B.; Özavcı, I.; Tunç, T.; Kaya, F.  
**Journal:** Information Bulletin on Variable Stars, 5463, 1.  
**Publication Date:** 10/2003  
**Keywords:** Photoelectric photometry  
**ADS:** [2003IBVS.5463....1M](#)  
Abstract  
We present 29 minima observations of 11 eclipsing binaries.

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10.

**Title:** Photoelectric Minimum Times of Some Eclipsing Binary Stars  
**Authors:** Bulut, I.; Demircan, O.  
**Journal:** Information Bulletin on Variable Stars, 5476, 1.  
**Publication Date:** 11/2003  
**Keywords:** Minima Times  
**ADS:** [2003IBVS.5476....1B](#)  
Abstract  
We present 20 minima times of 8 eclipsing binaries.

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11.

**Title:** Search for forced oscillations in binaries. IV. The eclipsing binary V436 Per revisited  
**Authors:** Janik, J.; Harmanec, P.; Lehmann, H.; Yang, S.; Bozic, H.; Ak, H.; Hadrava, P.; Eenens, P.; Ruzdjak, D.; Sudar, D.; Hubeny, I.; Linnell, A. P.  
**Journal:** Astronomy and Astrophysics, v.408, p.611-619.

**Publication Date:**

09/2003

**Keywords:**

stars: binaries: close, stars: binaries: eclipsing, stars: binaries: spectroscopic, stars: fundamental parameters, stars: oscillations, stars: individual: V436 Per equiv 1 Per

**ADS:**

[2003A&A...408..611J](#)

Abstract

An analysis of new spectroscopic and photoelectric U B V observations, satisfactorily covering the whole orbital period of V436 Per, together with existing data allowed us to improve the knowledge of the basic physical characteristics of the binary and its components. In several aspects, our new results differ from the findings of Paper I of this series: in particular, we found that it is the star eclipsed in the secondary minimum which is slightly more massive and larger than the optical primary. We also conclude that the apsidal advance - if present at all - is much slower than that estimated in a previous study. The orbital period might be increasing by 0.28 s per year but also this finding is very uncertain and needs verification by future observations. It is encouraging to note that two completely independent sets of programs for light-curve solutions lead to identical results. A notable finding is that both binary components rotate with very similar - if not identical - rotational periods of 1d.45 and 1d.40, much shorter than what would correspond to a 10d.9 spin-orbit synchronization period at periastron. Rapid line-profile changes reported earlier could not be confirmed from new, dedicated series of high-resolution and S/N spectra. This research is based on spectra from the Dominion Astrophysical Observatory (DAO), Ondrejov, and Thuringer Landessternwarte (TLS) Tautenburg.

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12.

**Title:**

**Authors:** Şenavcı H.V.; Elmaslı A.; Selam S.O.; Albayrak B.

**Journal:** ASP Conference Series (baskıda)

**Publication Date:** 2003

**Keywords:**

**ADS:** <="" td="">

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13.

**Title:**

**Authors:** Elmaslı A.; Tanrıverdi T.; Albayrak, B.; Selam S.O.; Djuravsevic  
**Journal:** ASP Conference Series (baskıda)  
**Publication Date:** 2003  
**Keywords:**  
**ADS:**  
Abstract  
Photometric Study of the Recently Discovered Eclipsing Binary V776 Cassiopei  
"Spectroscopically and Spatially Resolving the Components of Close Binary Stars", eds.  
R. W. Hilditch, H. Hensberge, and K. Pavlovski

---

14.

**Title:**  
**Authors:** Tanrıverdi T.; Şenavcı H.V.;  
Selam S.O. and Albayrak B.  
**Journal:** ASP Conference Series (baskıda)  
**Publication Date:** 2003  
**Keywords:**  
**ADS:**  
Abstract  
A Photometric Study of the Recently Discovered Contact Binary ET Leonis in  
"Spectroscopically and Spatially Resolving the Components of Close Binary Stars", eds.  
R. W. Hilditch, H. Hensberge, and K. Pavlovski

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15.

**Title:** Around-the-Clock Observations of the Q0957+561A,B  
Gravitationally Lensed Quasar. II. Results for the Second Observing  
Season  
**Authors:** Colley, Wesley N.; Schild, Rudolph E.; Abajas, Cristina; Alcalde,  
David; Aslan, Zeki; Bikmaev, Ilfan; Chavushyan, Vahram;  
Chinarro, Luis; Cournoyer, Jean-Philippe; Crowe, Richard;  
Dudinov, Vladimir; Evans, Anna Kathinka Dalland; Jeon, Young-  
Beom; Goicoechea, Luis J.; Golbasi, Orhan; Khamitov, Irek;  
Kjernsmo, Kjetil; Lee, Hyun Ju; Lee, Jonghwan; Lee, Ki Won; Lee,

Myung Gyoon; Lopez-Cruz, Omar; Mediavilla, Evencio; Moffat, Anthony F. J.; Mujica, Raul; Ullan, Aurora; Muñoz, Jose; Oscoz, Alexander; Park, Myeong-Gu; Purves, Norman; Saanum, Oyvind; Sakhbullin, Nail; Serra-Ricart, Miquel; Sinelnikov, Igor; Stabell, Rolf; Stockton, Alan; Teuber, Jan; Thompson, Roy; Woo, Hwa-Sung; Zheleznyak, Alexander

**Journal:** The Astrophysical Journal, Volume 587, Issue 1, pp. 71-79.

**Publication Date:** 04/2003

**Keywords:** Cosmology: Gravitational Lensing, Galaxies: Quasars: Individual: Alphanumeric: Q0957+561A,B

**ADS:** [2003ApJ...587...71C](#)

Abstract

We report on an observing campaign in 2001 March to monitor the brightness of the later arriving Q0957+561B image in order to compare with the previously published brightness observations of the (first-arriving) A image. The 12 participating observatories provided 3543 image frames, which we have analyzed for brightness fluctuations. From our classical methods for time-delay determination, we find a  $417.09 \pm 0.07$  day time delay, which should be free of effects due to incomplete sampling. During the campaign period, the quasar brightness was relatively constant and only small fluctuations were found; we compare the structure function for the new data with structure function estimates for the 1995-1996 epoch and show that the structure function during our observing interval is unusually depressed. We also examine the data for any evidence of correlated fluctuations at zero lag. We discuss the limits of our ability to measure the cosmological time delay if the quasar's emitting surface is time resolved, as seems likely.

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16.

**Title:** Stellar Populations of the Galactic Disk: Metallicity Distribution and Kinematics

**Authors:** Bartasiute, S.; Aslan, Z.; Boyle, R. P.; Kharchenko, N. V.; Ossipkov, L. P.; Sperauskas, J.

**Journal:** Baltic Astronomy, Vol. 12, p. 539-546

**Publication Date:** 00/2003

**Keywords:** stars: abundances, kinematics, Galaxy: abundances, solar neighborhood, stellar populations

**ADS:**

[2003BaltA..12..539B](#)

Abstract

Metallicities and distances have been determined from Vilnius photometry for an in situ sample of nearly 650 stars in eight proper-motion fields at high Galactic latitudes. For half of these stars, radial velocities have been measured with the CORAVEL spectrometer, which allowed us to derive spatial velocities and Galactic orbits. In this contribution we present a status report on our results for the stellar content of the Galactic disk, with emphasis given to specific aspects of distinguishing the thick-disk stars from the old thin-disk population.

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17.

**Title:**

Ground-based photometry of the contact binary V1128 Tauri

**Authors:**

Taş, G.; Evren, S.; Çakırlı, Ö.; İbanoğlu, C.

**Journal:**

Astronomy and Astrophysics, v.411, p.161-166.

**Publication Date:**

11/2003

**Keywords:**

stars: activity, stars: individual: V1128 Tau, binaries: eclipsing

**ADS:**

[2003A&A...411..161T](#)

Abstract

V1128 Tau is a short period W UMa type eclipsing binary which has a visual companion with a separation of 14arcsec and a difference in brightness of about 1 mag. We observed the system in B and V filters during two observing seasons using three different telescopes and detectors. We obtained a total of 6063 observational points in each colour. The light curve reveals that V1128 Tau has a totality in the primary eclipse, which lasts about 16 min. The shape of the light curve indicates that V1128 Tauri is a W-type W UMa binary. We subtracted the visual component's light contribution to the total light of the system. We used the latest version of the Wilson-Devinney code for the analysis of the light curves and determined for the first time the geometric and physical parameters of the system. We found that the system consists of late G and early K type components. The more massive, larger component is cooler by about 300 K than its companion. The system has a circular orbit with an inclination of 85degr . The light curves show a typical O'Connell effect, maximum I being brighter than maximum II. This difference may arise from a cool or hot region on either component and/or an



accretion process between the components. Since the components appear to be later than G2, we assumed a cool spot or group of spots on the cooler component. Therefore, the light curves were also analyzed using the spot hypothesis and the results were compared with those obtained with the no-spot model.

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18.

**Title:** The First Hours of the Optical Afterglow from the Cosmic Gamma-Ray Burst 030329

**Authors:** Burenin, R. A.; Sunyaev, R. A.; Pavlinsky, M. N.; Denisenko, D. V.; Terekhov, O. V.; Tkachenko, A. Yu.; Aslan, Z.; Khamitov, I.; Uluch, K.; Alpar, M. A.; Kiziloglu, U.; Baikal, A.; Bikmaev, I. F.; Sakhbullin, N. R.; Suleymanov, V. F.

**Journal:** Astronomy Letters, vol. 29, p. 573-578.

**Publication Date:** 09/2003

**Keywords:**

**ADS:** [2003AstL...29..573B](#)

Abstract

We describe the first results of our observations of the exceptionally bright optical afterglow from the cosmic gamma-ray burst (GRB) of March 29, 2003 (030329), with the 1.5-m Russian-Turkish telescope (RTT150) installed at the TUBITAK National Observatory (Turkey) at Mount Bakyrlytepe. RTT150 was one of the first medium-class telescopes pointed at the afterglow. The observations began as early as about six hours after the GRB. During the first five hours of our observations, the BVRI flux fell off exactly as a power law with the same slope  $-1.19 \pm 0.01$ . Subsequently, in all of the BVRI bands, we observed the same increase in the power-law slope of the light curve to a value that was later recorded during the observations at observatories in the western hemisphere. The break in the power-law light curve occurs at  $t-t_0 = 0.57$  days (13.5 h) and lasts for about 0.2 days. Apart from this smooth decrease in the flux, the afterglow exhibited no flux variability. The upper limits on the variability are 10-1% on time scales of 0.1-1000 s, respectively. The BVRI spectral flux distribution during the first night of our observations closely corresponds to a power-law spectrum with a spectral index  $\alpha = 0.66 \pm 0.01$ . The change in the power-law slope of the light curve at the end of our observations is probably attributable to the deceleration of the ultrarelativistic jet to a gamma factor when its structural features begin to show up in the light curve. The radio, optical, and X-ray broadband spectrum is consistent with the assumption about the synchrotron radiation of the ultrarelativistic jet. This unique object continues to be observed with RTT150.

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19.

**Title:** A solar differential image motion monitor (T-SDIMM) for TUBITAK National Observatory of Turkey  
**Authors:** Ökten, A.; Özışık, T.; Ak, T.  
**Journal:** Astronomische Nachrichten, Vol. 324, No. 4, p. 313.  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003AN....324..313O](#)  
Abstract  
Not Available

## 2003 Yılı Sirküler ve Telgraflar

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1.

**Title:** V2275 Cygni  
**Authors:** Balman, S.; Yilmaz, A.; Retter, A.; Ak, T.; Saygac, T.; Esenoglu, H.; Aslan, Z.  
**Journal:** IAU Circ., 8074, 3 (2003). Edited by Green, D. W. E.  
**Publication Date:** 02/2003  
**Keywords:**  
**ADS:** [2003IAUC.8074....3B](#)  
Abstract  
Not Available

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2.

**Title:** Optical observations of IGR J17464-3213  
**Authors:** Khamitov, I.; Parmaksizoglu, M.; Revnivtsev, M.; Bikmaev, I.; Sakhbullin, N.; Sunyaev, R.; Pavlinsky, M.; Aslan, Z.; Golbasi, O.  
**Journal:** The Astronomer's Telegram, #140  
**Publication Date:** 04/2003  
**Keywords:** Infra-Red, Optical, X-ray, Request for Observations, Binaries, Black Holes, Nova, Transients

**ADS:** [2003ATel..140....1K](#)

Abstract

We made optical observations of X-ray transient IGR J17464-3213 = H1743-322 in I-filter by using 1.5-m Russian-Turkish telescope RTT150 at Bakyrlytepe (TUBITAK National Observatory, Turkey) in the night 5/6 April 2003. Search for the source at the radio position, reported by Rupen et al. (ATEL#137,IAUC #8105, ATEL#138), gave only marginal detection of a weak source at the level of I~20. Coordinates of this source are R.A.=17h46m15.6s, Dec=-32o14'01.2" (equinox 2000, position uncertainty 0.5 arcsec).

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3.

**Title:** GRB 030329: optical observations

**Authors:** Burenin, R.; Denissenko, D.; Pavlinsky, M.; Sunyaev, R.; Terekhov, O.; Tkachenko, A.; Aslan, Z.; Uluc, K.; Khamitov, I.; Kiziloglu, U.; Alpar, A.; Baykal, A.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.

**Journal:** GRB Coordinates Network, 2001, 1

**Publication Date:** 00/2003

**Keywords:**

**ADS:** [2003GCN..2001....1B](#)

Not Available

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4.

**Title:** GRB 030329: light curve observed during the change of its slope.

**Authors:** Burenin, R.; Sunyaev, R.; Pavlinsky, M.; Denissenko, D.; Terekhov, O.; Tkachenko, A.; Aslan, Z.; Uluc, K.; Khamitov, I.; Kiziloglu, U.; Alpar, A.; Baykal, A.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.

**Journal:** GRB Coordinates Network, 2024, 1

**Publication Date:** 00/2003

**Keywords:**

**ADS:** [2003GCN..2024....1B](#)

Abstract

Not Available

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5.

**Title:** GRB 030329: further optical observations.  
**Authors:** Burenin, R.; Sunyaev, R.; Pavlinsky, M.; Denissenko, D.; Terekhov, O.; Tkachenko, A.; Aslan, Z.; Uluc, K.; Khamitov, I.; Kiziloglu, U.; Alpar, A.; Baykal, A.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.  
**Journal:** GRB Coordinates Network, 2046, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2046....1B](#)  
Abstract  
Not Available

---

6.

**Title:** GRB 030329: optical photometry.  
**Authors:** Burenin, R.; Sunyaev, R.; Pavlinsky, M.; Denissenko, D.; Terekhov, O.; Tkachenko, A.; Aslan, Z.; Uluc, K.; Khamitov, I.; Kiziloglu, U.; Alpar, A.; Baykal, A.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.  
**Journal:** GRB Coordinates Network, 2051, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2051....1B](#)  
Abstract  
Not Available

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7.

**Title:** GRB 030329: beginning of the new fading phase in optical band.  
**Authors:** Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Aslan, Z.; Uluc, K.; Khamitov, I.; Kiziloglu, U.; Alpar, A.; Baykal, A.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.  
**Journal:** GRB Coordinates Network, 2054, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2054....1B](#)  
Abstract

Not Available

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8.

**Title:** GRB 030329: optical observations.  
**Authors:** Burenin, R.; Sunyaev, R.; Pavlinsky, M.; Denissenko, D.; Terekhov, O.; Tkachenko, A.; Aslan, Z.; Khamitov, I.; Parmaksizoglu, M.; Kiziloglu, U.; Alpar, A.; Baykal, A.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.  
**Journal:** GRB Coordinates Network, 2079, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2079....1B](#)  
Abstract  
Not Available

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9.

**Title:** GRB 030329, optical observations.  
**Authors:** Khamitov, I.; Aslan, Z.; Golbasi, O.; Parmaksizoglu, M.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Kiziloglu, U.; Alpar, A.; Baykal, A.  
**Journal:** GRB Coordinates Network, 2094, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2094....1K](#)  
Abstract  
Not Available

---

10.

**Title:** GRB030329: RTT150 optical observation.  
**Authors:** Khamitov, I.; Parmaksizoglu, M.; Bikmaev, I.; Sakhbullin, N.;

Suleymanov, V.; Gumerov, R.; Ibragimov, A.; Aslan, Z.; Golbasi, O.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Kiziloglu, U.; Alpar, A.; Baykal, A.

**Journal:** GRB Coordinates Network, 2105, 1

**Publication Date:** 00/2003

**Keywords:**

**ADS:** [2003GCN..2105....1K](#)

Abstract

Not Available

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11.

**Title:** GRB030329: RTT150 optical observations.

**Authors:** Khamitov, I.; Parmaksizoglu, M.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.; Aslan, Z.; Golbasi, O.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Kiziloglu, U.; Alpar, A.; Baykal, A.

**Journal:** GRB Coordinates Network, 2108, 1

**Publication Date:** 00/2003

**Keywords:**

**ADS:** [2003GCN..2108....1K](#)

Abstract

Not Available

---

12.

**Title:** GRB030329: RTT150 optical observations.

**Authors:** Khamitov, I.; Parmaksizoglu, M.; Uluc, K.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.; Gumerov, R.; Ibragimov, A.; Aslan, Z.; Golbasi, O.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Kiziloglu, U.; Alpar, A.; Baykal, A.

**Journal:** GRB Coordinates Network, 2119, 1

**Publication Date:** 00/2003

**Keywords:**

**ADS:** [2003GCN..2119....1K](#)

Abstract

Not Available

---

13.

**Title:** GRB030329: RTT150 optical observations and upper limit for a host.

**Authors:** Khamitov, I.; Bikmaev, I.; Parmaksizoglu, M.; Sakhbullin, N.; Suleymanov, V.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Gilfanov, M.; Aslan, Z.; Golbasi, O.; Kiziloglu, U.; Alpar, A.; Baykal, A.

**Journal:** GRB Coordinates Network, 2198, 1

**Publication Date:** 00/2003

**Keywords:**

**ADS:** [2003GCN..2198....1K](#)

Abstract  
Not Available

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14.

**Title:** GRB030329: RTT150 optical observations and upper limit for a host.

**Authors:** Khamitov, I.; Bikmaev, I.; Parmaksizoglu, M.; Sakhbullin, N.; Suleymanov, V.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Gilfanov, M.; Aslan, Z.; Golbasi, O.; Kiziloglu, U.; Alpar, A.; Baykal, A.

**Journal:** GRB Coordinates Network, 2204, 1

**Publication Date:** 00/2003

**Keywords:**

**ADS:** [2003GCN..2204....1K](#)

Abstract  
Not Available

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15.

**Title:** GRB030429: RTT150 optical observations, a possible host galaxy.  
**Authors:** Khamitov, I.; Bikmaev, I.; Parmaksizoglu, M.; Sakhbullin, N.; Suleymanov, V.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Gilfanov, M.; Aslan, Z.; Golbasi, O.; Kiziloglu, U.; Alpar, A.; Baykal, A.  
**Journal:** GRB Coordinates Network, 2208, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2208....1K](#)  
Abstract  
Not Available

---

16.

**Title:** GRB030329: RTT150 optical observations.  
**Authors:** Bikmaev, I.; Khamitov, I.; Sakhbullin, N.; Suleymanov, V.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Gilfanov, M.; Aslan, Z.; Golbasi, O.; Kiziloglu, U.; Alpar, A.; Baykal, A.  
**Journal:** GRB Coordinates Network, 2220, 1  
**Publication Date:** 00/2003  
**Keywords:**  
00/2003  
**Keywords:**  
**ADS:**  
Abstract  
Not Available

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3.

**Title:** Study of gravitational lenses SBS1520+530 and Q0957+561 at the RTT150  
**Authors:** I.F.Bikmaev, N.A.Sakhbullin, Z.Aslan, I.Khamitov, R.Schild  
**Journal:** Annual Scientific Conference of Kazan State University, January 24, 2003, Kazan, Russia.  
**Publication Date:** 01/2003  
**Keywords:**



**ADS:**  
Abstract  
Not Available

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4.

**Title:** The solar radius obtained between 2001-2003 with the CCD Astrolabe in Antalya and some effects on it  
**Authors:** H.Kılıç, O.Gölbaşı, F.Chollet  
**Journal:** 2nd R2S3 Network Annual Meeting, Calern Observatory, CERGA, Resea  
**Publication Date:** 01/2003  
**Keywords:**  
**ADS:**  
Abstract  
Not Available

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5.

**Title:** Análisis del radio solar obtenido entre 1999 y 2002 con el astrolabio del Observatorio Nacional  
**Authors:** O.Gölbaşı, H.Kılıç, F.Chollet  
**Journal:** 22-26 Eylül 2003, San Fernando, İspanya  
**Publication Date:** 09/2003  
**Keywords:**  
**ADS:**  
Abstract  
Not Available

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6.

**Title:** About Progress of Link Optical-Radio Systems  
**Authors:** N. Maigurova, G. Pinigin, Yu. Protsyuk, R.Gumerov, Z. Aslan, I.

Khamitov, W. Jin, A. Shulga, Z. Tang, S. Wang  
**Journal:** XXVth General Assembly of the IAU, 13-26 July 2003, Sydney, Australia, Abstracts Book, p.235  
**Publication Date:** 07/2003  
**Keywords:**  
**ADS:**  
Abstract  
Not Available

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7.

**Title:** Progress on linking optical-radio reference frames using CCD ground-based telescopes  
**Authors:** Maigurova, N.; Pinigin, G.; Protsyuk, Yu.; Gumerov, R.; Aslan, Z.; Khamitov, I.; Jin, W.; Tang, Z.; Wang, S.  
**Journal:** In: Highlights of Astronomy, Vol. 13, as presented at the XXVth General Assembly of the IAU - 2003 [Sydney, Australia, 13 - 26 July 2003]. Edited by O. Engvold. San Francisco, CA: Astronomical Society of the Pacific, ISBN 1-58381-086-2, 2005, p. 604  
**Publication Date:** 07/2003  
**Keywords:** International Celestial Reference System  
**ADS:** [2005HiA....13..604M](#)  
Abstract  
Not Available

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8.

**Title:** CCD Photometry of Selected CVs with the Tug 1.5M Telescope  
**Authors:** Balman, Solen; Yilmaz, Arda M.; Kiziloglu, Umit; Retter, Alon; Saygac, A. Talat; Esenoglu, Hasan; Ak, Tansel  
**Journal:** White Dwarfs: Galactic and Cosmologic Probes, 25th meeting of the IAU, Joint Discussion 5, 16-17 July 2003, Sydney, Australia  
**Publication Date:** 07/2003  
**Keywords:**

**ADS:**

[2003IAUJD...5E..37B](#)

Abstract

We present the light curve and time series analysis of classical novae and dwarf novae systems monitored/observed with the 1.5 m Russian-Turkish Joint telescope (RTT150) at the TUBITAK National Observatory in Antalya Turkey. As part of a large program V2275 Cyg (N 2001 No.2) RW Umi FO Per and PX And were observed for a total of about 25 nights The results on V2275 Cyg show that the system has a period of  $0.463 \pm 0.014$  or the 1-d alias  $0.316 \pm 0.007$  with wide eclipses (IAUC 8074). RW Umi shows possible periodicities at around several frequencies (approximate values in cycles per day 16.7 28.8 33.3 46.5 59 108.7) that could be interpreted as the binary period spin period of the white dwarf and/or orbital sidebands of the system.

9.

**Title:**

Stellar Populations of the Galactic Disk: Metallicity Distribution and Kinematics

**Authors:**

Bartasiu-te., S.; Aslan, Z.; Boyle, R. P.; Kharchenko, N. V.; Ossipkov, L. P.; Sperauskas, J.

**Journal:**

Baltic Astronomy, Vol. 12, p. 539-546

**Publication Date:**

07/2003

**Keywords:**

stars: abundances, kinematics, Galaxy: abundances, solar neighborhood, stellar populations

**ADS:**

[2003BaltA..12..539B](#)

Abstract

Metallicities and distances have been determined from Vilnius photometry for an in situ sample of nearly 650 stars in eight proper-motion fields at high Galactic latitudes. For half of these stars, radial velocities have been measured with the CORAVEL spectrometer, which allowed us to derive spatial velocities and Galactic orbits. In this contribution we present a status report on our results for the stellar content of the Galactic disk, with emphasis given to specific aspects of distinguishing the thick-disk stars from the old thin-disk population.

1.

**Title:** V2275 Cygni  
**Authors:** Balman, S.; Yilmaz, A.; Retter, A.; Ak, T.; Saygac, T.; Esenoglu, H.; Aslan, Z.  
**Journal:** IAU Circ., 8074, 3 (2003). Edited by Green, D. W. E.  
**Publication Date:** 02/2003  
**Keywords:**  
**ADS:** [2003IAUC.8074....3B](#)  
Abstract  
Not Available

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2.

**Title:** Optical observations of IGR J17464-3213  
**Authors:** Khamitov, I.; Parmaksizoglu, M.; Revnivitsev, M.; Bikmaev, I.; Sakhbullin, N.; Sunyaev, R.; Pavlinsky, M.; Aslan, Z.; Golbasi, O.  
**Journal:** The Astronomer's Telegram, #140  
**Publication Date:** 04/2003  
**Keywords:** Infra-Red, Optical, X-ray, Request for Observations, Binaries, Black Holes, Nova, Transients  
**ADS:** [2003ATel..140....1K](#)  
Abstract  
We made optical observations of X-ray transient IGR J17464-3213 = H1743-322 in I-filter by using 1.5-m Russian-Turkish telescope RTT150 at Bakyrlytepe (TUBITAK National Observatory, Turkey) in the night 5/6 April 2003. Search for the source at the radio position, reported by Rupen et al. (ATEL#137,IAUC #8105, ATEL#138), gave only marginal detection of a weak source at the level of I~20. Coordinates of this source are R.A.=17h46m15.6s, Dec=-32o14'01.2" (equinox 2000, position uncertainty 0.5 arcsec).

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3.

**Title:** GRB 030329: optical observations  
**Authors:** Burenin, R.; Denissenko, D.; Pavlinsky, M.; Sunyaev, R.; Terekhov, O.; Tkachenko, A.; Aslan, Z.; Uluc, K.; Khamitov, I.;

Kiziloglu, U.; Alpar, A.; Baykal, A.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.

**Journal:** GRB Coordinates Network, 2001, 1

**Publication Date:** 00/2003

**Keywords:**

**ADS:**

Abstract

Not Available

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4.

**Title:** GRB 030329: light curve observed during the change of its slope.

**Authors:** Burenin, R.; Sunyaev, R.; Pavlinsky, M.; Denissenko, D.; Terekhov, O.; Tkachenko, A.; Aslan, Z.; Uluc, K.; Khamitov, I.; Kiziloglu, U.; Alpar, A.; Baykal, A.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.

**Journal:** GRB Coordinates Network, 2024, 1

Burenin, R.; Sunyaev, R.;  
Pavlinsky, M.; Denissenko,  
D.; Terekhov, O.; Tkachenko,  
A.; Aslan, Z.; Uluc, K.;  
Khamitov, I.; Kiziloglu, U.;  
Alpar, A.; Baykal, A.;  
Bikmaev, I.; Sakhbullin, N.;  
Suleymanov, V.

**Journal:** GRB Coordinates Network, 2046, 1

**Publication Date:** 00/2003

**Keywords:**

**ADS:** [2003GCN..2046....1B](#)

Abstract

Not Available

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6.

**Title:** GRB 030329: optical photometry.

**Authors:** Burenin, R.; Sunyaev, R.; Pavlinsky, M.; Denissenko, D.; Terekhov, O.; Tkachenko, A.; Aslan, Z.; Uluc, K.; Khamitov, I.; Kiziloglu, U.; Alpar, A.; Baykal, A.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.  
**Journal:** GRB Coordinates Network, 2051, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2051....1B](#)  
Abstract  
Not Available

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7.

**Title:** GRB 030329: beginning of the new fading phase in optical band.  
**Authors:** Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Aslan, Z.; Uluc, K.; Khamitov, I.; Kiziloglu, U.; Alpar, A.; Baykal, A.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.  
**Journal:** GRB Coordinates Network, 2054, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2054....1B](#)  
Abstract  
Not Available

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8.

**Title:** GRB 030329: optical observations.  
**Authors:** Burenin, R.; Sunyaev, R.; Pavlinsky, M.; Denissenko, D.; Terekhov, O.; Tkachenko, A.; Aslan, Z.; Khamitov, I.; Parmaksizoglu, M.; Kiziloglu, U.; Alpar, A.; Baykal, A.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.  
**Journal:** GRB Coordinates Network, 2079, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2079....1B](#)  
Abstract  
Not Available

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9.

**Title:** GRB 030329, optical observations.  
**Authors:** Khamitov, I.; Aslan, Z.; Golbasi, O.; Parmaksizoglu, M.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Kiziloglu, U.; Alpar, A.; Baykal, A.  
**Journal:** GRB Coordinates Network, 2094, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2094....1K](#)  
Abstract  
Not Available

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10.

**Title:** GRB030329: RTT150 optical observation.  
**Authors:** Khamitov, I.; Parmaksizoglu, M.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.; Gumerov, R.; Ibragimov, A.; Aslan, Z.; Golbasi, O.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Kiziloglu, U.; Alpar, A.; Baykal, A.  
**Journal:** GRB Coordinates Network, 2105, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2105....1K](#)  
Abstract  
Not Available

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11.

**Title:** GRB030329: RTT150 optical observations.  
**Authors:** Khamitov, I.; Parmaksizoglu, M.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.; Aslan, Z.; Golbasi, O.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.;

Kiziloglu, U.; Alpar, A.; Baykal, A.  
**Journal:** GRB Coordinates Network, 2108, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2108....1K](#)  
Abstract  
Not Available

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12.

**Title:** GRB030329: RTT150 optical observations.  
**Authors:** Khamitov, I.; Parmaksizoglu, M.; Uluc, K.; Bikmaev, I.; Sakhbullin, N.; Suleymanov, V.; Gumerov, R.; Ibragimov, A.; Aslan, Z.; Golbasi, O.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Kiziloglu, U.; Alpar, A.; Baykal, A.  
**Journal:** GRB Coordinates Network, 2119, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2119....1K](#)  
Abstract  
Not Available

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13.

**Title:** GRB030329: RTT150 optical observations and upper limit for a host.  
**Authors:** Khamitov, I.; Bikmaev, I.; Parmaksizoglu, M.; Sakhbullin, N.; Suleymanov, V.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Gilfanov, M.; Aslan, Z.; Golbasi, O.; Kiziloglu, U.; Alpar, A.; Baykal, A.  
**Journal:** GRB Coordinates Network, 2198, 1  
**Publication Date:** 00/2003  
**Keywords:**  
**ADS:** [2003GCN..2198....1K](#)  
Abstract  
Not Available



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14.

**Title:** GRB030329: RTT150 optical observations and upper limit for a host.

**Authors:** Khamitov, I.; Bikmaev, I.; Parmaksizoglu, M.; Sakhbullin, N.; Suleymanov, V.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Gilfanov, M.; Aslan, Z.; Golbasi, O.; Kiziloglu, U.; Alpar, A.; Baykal, A.

**Journal:** GRB Coordinates Network, 2204, 1

**Publication Date:** 00/2003

**Keywords:**

**ADS:** [2003GCN..2204....1K](#)

Abstract  
Not Available

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15.

**Title:** GRB030429: RTT150 optical observations, a possible host galaxy.

**Authors:** Khamitov, I.; Bikmaev, I.; Parmaksizoglu, M.; Sakhbullin, N.; Suleymanov, V.; Burenin, R.; Sunyaev, R.; Denissenko, D.; Pavlinsky, M.; Terekhov, O.; Tkachenko, A.; Gilfanov, M.; Aslan, Z.; Golbasi, O.; Kiziloglu, U.; Alpar, A.; Baykal, A.

**Journal:** GRB Coordinates Network, 2208, 1

**Publication Date:** 00/2003

**Keywords:**

**ADS:** [2003GCN..2208....1K](#)

Abstract  
Not Available

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16.

**Title:** GRB030329: RTT150 optical observations.

**Authors:** Bikmaev, I.; Khamitov, I.; Sakhbullin, N.; Suleymanov, V.; Burenin, R.; Sunyaev, R.; Denisseko, D.; Pavlinsky, M.; Terekhov,

O.; Tkachenko, A.; Gilfanov, M.; Aslan, Z.; Golbasi, O.; Kiziloglu, U.; Alpar, A.; Baykal, A.

**Journal:** GRB Coordinates Network, 2220, 1

**Publication Date:** 00/2003

**Keywords:**

**ADS:** [2003GCN..2220....1B](#)

Abstract

Not Available

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17.

**Title:** Rapid optical variability of V4641 Sgr (=SAX J1819.3-2525)

**Authors:** Khamitov, I.; Aslan, Z.; Yakut, K.; Bikmaev, I.; Gumerov, R.; Sakhbullin, N.; Sunyaev, R.; Revnivitsev, M.; Pavlinsky, M.

**Journal:** The Astronomer's Telegram, #174

**Publication Date:** 08/2003

**Keywords:** Optical, Request for Observations, Binaries, Black Holes, Transients

**ADS:** [2003ATel..174....1K](#)

Abstract

The X-ray binary system V4641 Sgr (=SAX J1819.3-2525) was observed in Rc band with the 1.5-m Russian-Turkish telescope RTT150 at Bakırlıtepe during the period 19:01-22:16 UT, Aug. 6, 2003. The Rc magnitude of the source averaged over all observations was  $m_{Rc} \sim 11.7$ . Time resolution of the photometric data is 9.7 sec. The observed light curve demonstrates strong aperiodic variability at all time scales, from tens of seconds to hours.