

# MESSENGER INDEX 2004 (Nos. 115–118)

## SUBJECT INDEX

- C. Cesarsky: ESO Welcomes Finland as Eleventh Member State **117**, 2  
K. Mattila, M. Tornikoski, I. Tuominen, E. Valtaoja: Astronomy in Finland **117**, 3

### TElescopes AND INSTRUMENTATION

- C. Cesarsky, R. Giacconi, R. Gilmozzi: Five Years VLT **115**, 2  
A. Renzini: Excerpts from the First Five Years of VLT Science (1999–2004) **115**, 5  
A. Moorwood, S. D'Odorico: New VLT Instruments Underway **115**, 8  
R. Arsenault, N. Hubin, M. Le Louarn, G. Monnet, M. Sarazin: Towards an Adaptive Secondary for the VLT? **115**, 11  
B. Koehler, the AT1 Assembly and Commissioning Team: The First Light of the First VLTI Auxiliary Telescope **115**, 15  
F. Patat: Night sky brightness during sunspot maximum at Paranal **115**, 18  
A. Richichi, R. G. Petrov: Under the sign of three: AMBER joins the VLTI **116**, 2  
P. Ballester, I. Percheron, C. Sabet, T. Licha, D. J. McKay, S. Morel, M. Petr-Gotzens, A. Richichi, M. VanDenAncker, M. Wittkowski: The MIDI Data Flow: First Observing Period **116**, 4  
G. Mathys: Five years of science operations of the VLT on Paranal **116**, 8  
R. Gilmozzi, J. Melnick: Th'ESObservatoire: Merging La Silla and Paranal Observatories **116**, 13  
E. Pompei, M. Billeres, T. Dall, C. Foellmi, O. Hainaut, L. Germany, G. Lo Curto, I. Saviane: Do it your-self: La Silla quick-look tools **116**, 16  
L. Germany: News from the La Silla Site **116**, 17  
P. O. Lagage, J. W. Pel, M. Authier, J. Belorgey, A. Claret, C. Doucet, D. Dubreuil, G. Durand, E. Elswijk, P. Girardot, H. U. Käufl, G. Kroes, M. Lortholary, Y. Lussignol, M. Marchesi, E. Pantin, R. Peletier, J.-F. Pirard, J. Pragt, Y. Rio, T. Schoenmaker, R. Siebenmorgen, A. Silber, A. Smette, M. Sterzik, C. Veyssiére: Successful Commissioning of VISIR: The mid-infrared VLT Instrument **117**, 12  
H. Bonnet, R. Abuter, A. Baker, W. Bornemann, A. Brown, R. Castillo, R. Conzelmann, R. Damster, R. Davies, B. Delabre, R. Donaldson, C. Dumas, F. Eisenhauer, E. Elswijk, E. Fedrigo, G. Finger, H. Gemperlein, R. Genzel, A. Gilbert, G. Gillet, A. Goldbrunner, M. Horrobin, R. ter Horst, S. Huber, N. Hubin, C. Iserlohe, A. Kaufer, M. Kissler-Patig, J. Kragt, G. Kroes, M. Lehnert, W. Lieb, J. Liske, J.-L. Lizon, D. Lutz, A. Modigliani, G. Monnet, N. Nesvadba, J. Patig, J. Pragt, J. Reunanen, C. Röhrle, S. Rossi, R. Schmutzler, T. Schoenmaker, J. Schreiber, S. Ströbele, T. Szeifert, L. Tacconi, M. Tecza, N. Thatte, S. Tordo, P. van der Werf, H. Weisz: First Light of SINFONI at the VLT **117**, 17  
R. Arsenault, R. Donaldson, C. Dupuy, E. Fedrigo, N. Hubin, L. Ivanescu, M. Kasper, S. Oberti, J. Paufique, S. Rossi, A. Silber, B. Delabre, J.-L. Lizon, P. Gigan: Third MACAO-VLTI Curvature Adaptive Optics System now installed **117**, 25  
J. P. Emerson, W. J. Sutherland, A. M. McPherson, S. C. Craig, G. B. Dalton, A. K. Ward: The Visible & Infrared Survey Telescope for Astronomy **117**, 27  
T. Wilson: ALMA News **117**, 32  
L. Germany: La Silla News **117**, 32  
C. Izzo, N. Kornweibel, D. McKay, R. Palsa, M. Peron, M. Taylor: Gasgano & ESO VIMOS Pipeline Released **117**, 33  
D. R. Silva, M. Peron: VLT Science Products Produced by Pipelines: A Status Report **118**, 2  
A. Modigliani, G. Mulas, I. Porceddu, B. Wolff, F. Damiani, K. Banse: The FLAMES-UVES Pipeline **118**, 8  
F. Patat: Observing During Bright Time: Tips and Tricks **118**, 11  
J. Alves, M. Lombardi: The Sky Distribution of VLT Observations **118**, 15  
T. Wilson, C. De Breuck, M. Zwaan: A Progress Report on ALMA **118**, 16  
G. H. Tan, B. D. Jackson, B. Lazareff, J. Adema, A. M. Baryshev, R. Hesper, T. M. Klapwijk, M. Kroug, S. Mahieu, D. Maier, K. Schuster, K. Wielinga, T. Zijlstra: The European Receivers for ALMA **118**, 18

### REPORTS FROM OBSERVERS

- M. R. L. Cioni, H. J. Habing, C. Loup, N. Epchtein, E. Deul: DENIS results on the Magellanic Clouds **115**, 22  
M. D. Lehnert, M. Bremer: High Redshift Galaxies and the Sources of Reionization **115**, 27  
E. Tolstoy, M. Irwin, A. Cole, F. Frernali, T. Szeifert, G. Marconi: Stellar Spectroscopy of Individual Stars in Local Group Galaxies with the VLT: Kinematics and Calcium Triplet abundances **115**, 32  
T. Encrenaz, E. Lellouch, P. Drossart, H. Feuchtgruber, G. S. Orton, S. K. Atreya: First Detection of Carbon Monoxide in the Atmosphere of Uranus **115**, 35  
A. Koch, E. K. Grebel, M. Odenkirchen, J. A. R. Caldwell: Correcting spatialgradients: The Case of Wide Field Imager Photometry **115**, 37  
I. Appenzeller, R. Bender, A. Böhm, S. Frank, K. Fricke, A. Gabasch, J. Heidt, U. Hopp, K. Jäger, D. Mehrlert, S. Noll, R. Saglia, S. Seitz, C. Tapken, B. Ziegler: Exploring Cosmic Evolution with the FORS Deep Field **116**, 18  
ESO PR Photo 20/04: Revisiting the Orion Nebula, Wide Field Imager Provides New View of a Stellar Nursery **116**, 24  
R. Srianand, P. Petitjean, H. Chand, B. Aracil: Constraining the time variation of the fine structure constant **116**, 25  
E. Galliano, D. Alloin: Extragalactic Embedded Clusters: Exploring Star Formation **116**, 29  
C. Melo, F. Bouchy, F. Pont, N. C. Santos, M. Mayor, D. Queloz, S. Udry: Two New Very Hot Jupiters in the FLAMES spotlight **116**, 32  
ESO Press Photos 08a-c/04 and ESO Press Release 09/04: New VLT/NACO Images of Titan **116**, 35  
R. Chini, V. Hoffmeister, S. Kimeswenger, M. Nielbock, D. Nürnberger, L. Schmitdtobreick, M. Sterzik: The Birth of a Massive Star **117**, 36  
N. Christlieb, D. Reimers, L. Wisotzki: The Stellar Content of the Hamburg/ESO Survey **117**, 40  
C. Cacciari, A. Bragaglia, E. Carretta: FLAMES Spectroscopy of RGB stars in the Globular Cluster NGC 2808: Mass Loss and Na-O Abundances **117**, 47  
L. Pasquini, P. Bonifacio, S. Randich, D. Galli, R. G. Gratton: VLT Observations of Beryllium in a Globular Cluster: A clock for the early Galaxy and new insights into Globular Cluster formation **117**, 50  
P. Kervella, D. Bersier, N. Nardetto, D. Mourard, P. Fouqué, V. Coudé du Foresto: Cepheid Pulsations Resolved by the VLTI **117**, 53  
P. Padovani, M. G. Allen, P. Rosati, N. A. Walton: First Science for the Virtual Observatory **117**, 58  
C. Lidman: Observing Distant Type Ia Supernovae with the ESO VLT **118**, 24  
ESO PR Photo 28e/04: ESO Views of Earth-Approaching Asteroid Toutatis **118**, 30  
M. Della Valle, D. Malesani, G. Chincarini,

- L. Stella, G. Tagliaferri, L. A. Antonelli, S. Campana, S. Covino, F. Fiore, N. Gehrels, K. Hurley, L. J. Pellizza, F. M. Zerbi, L. Angelini, L. Burderi, D. Burrows, M. Capalbi, P. Caraveo, E. Costa, G. Cusumano, P. Filliatre, D. Fugazza, R. Gilmozzi, P. Giommi, P. Goldoni, G. L. Israel, E. Mason, K. Mason, A. Melandri, S. Mereghetti, I. F. Mirabel, E. Molinari, A. Moretti, J. Nosek, P. O'Brien, J. Osborne, R. Perna, M. Perri, L. Piro, E. Puchnarewicz, M. Vietri (the MISTICI Collaboration): Supernovae Shed Light on Gamma-Ray Bursts **118**, 31
- P. Vreeswijk, P. Møller, C. Ledoux, S. Ellison, N. Masetti, J. Fynbo, P. Jakobsson, J. Hjorth: GRB Afterglows: Illuminating the Star-Forming Universe **118**, 35
- J. Bergeron, P. Petitjean, B. Aracil, C. Pichon, E. Scannapieco, R. Srianand, P. Boissé, R. F. Carswell, H. Chand, S. Cristiani, A. Ferrara, M. Haehnelt, A. Hughes, T.-S. Kim, C. Ledoux, P. Richter, M. Viel: The Large Programme "Cosmic Evolution of the IGM" **118**, 40
- E. Vanzella, S. Cristiani, M. Dickinson, H. Kuntschner, L. A. Moustakas, M. Nonino, P. Rosati, D. Stern, C. Cesarsky, S. Ettori, H. C. Ferguson, R. A. E. Fosbury, M. Giavalisco, J. Haase, A. Renzini, A. Rettura, P. Serra and the GOODS Team: VLT/FORS2 Spectroscopy in the GOODS-South Field **118**, 45
- A. Cimatti, E. Daddi, A. Renzini, P. Cassata, E. Vanzella, L. Pozzetti, S. Cristiani, A. Fontana, G. Rodighiero, M. Mignoli, G. Zamorani: Unveiling Old Massive Spheroidal Galaxies in the Young Universe **118**, 51
- R. Cayrel, M. Spite: The First Stars: What We know and Do Not Know **118**, 55
- B. Nordström, M. Mayor, J. Andersen, J. Holmberg, B. R. Jørgensen, F. Pont, E. H. Olsen, S. Udry, N. Mowlavi: A Live-liker Picture of the Solar Neighbourhood **118**, 61
- OTHER ASTRONOMICAL NEWS**
- H. Van Winckel: The Users' Committee **115**, 40
- S. Wagner, B. Leibundgut: Report on the ESO Workshop on Large Programmes and Surveys **115**, 41
- I. Corbett: A Report on a Workshop on Future Large-Scale Projects and Programmes in Astronomy and Astrophysics **115**, 43
- ESO Press Release 02/04: Finland to Join ESO **115**, 44
- D. Alloin, D. Minniti: Report on the first Advanced Chilean School on Astrophysics "Extrasolar Planets and Brown Dwarfs" **115**, 45
- D. Alloin: Report on the International Workshop "Physics of Active Galactic Nuclei at all Scales" **115**, 46
- C. Hummel, D. Alloin: Report on a Micro-Workshop held at ESO/Vitacura on 2004 January 28 "Optical Interferometry Brings New Frontiers in Astrophysics" **115**, 47
- Fellows at ESO: Nicolas Cretton, Emanuel Daddi, Poshak Gandhi, Dieter Nürnberger **115**, 47
- R. West, H. Boffin: The Venus Transit 2004 (VT-2004) Programme **115**, 49
- H. Boffin, R. West: Venus Transit 2004: A Tremendous Success! **116**, 39
- C. Madsen: Serving European Science: The EIROforum Collaboration **116**, 42
- D. Alloin, E. Mason, K. O'Brian: Report on The visit of Prof. R. Sunyaev to ESO/Chile and the Topical Meeting "Accretion onto Compact Objects" **116**, 44
- J. R. Walsh, M. Rejkuba: Report on the ESO Conference: Planetary Nebulae beyond the Milky Way **116**, 44
- Fellows at ESO: Thomas Dall, Marina Rejkuba, Gijsbert Verdoes, Paul Vreeswijk **116**, 46
- Former ESO DG Adriaan Blaauw turned 90 **116**, 47
- E. Janssen: ESO at the Exploring the Frontier Symposium **116**, 47
- ESO Press Release 23/04: Is this Speck of Light an Exoplanet? **117**, 11
- D. Alloin: Students at ESO/Santiago: The Period 1999-2004 **117**, 61
- A. Merloni, S. Nayakshin: Report on the joint MPA/MPE/ESO/USM workshop on Growing Black Holes: Accretion in a Cosmological Context **117**, 62
- H. Boffin, R. West: Report on a brainstorming meeting about the ALMA Interdisciplinary Teaching Project **117**, 63
- D. H. Lorenzen: Obituary Jürgen Stock 1923–2004 **117**, 65
- C. Madsen: Report on the EuroScience Open Forum 2004 **117**, 66
- Fellows at ESO: Carlos de Breuck, Pierre Kervella, Celine Peroux **117**, 67
- S. Randich, L. Pasquini: Report on the ESO-Arcetri Workshop on Chemical Abundances and Mixing in Stars in the Milky Way and its Satellites **118**, 66
- T. L. Wilson, E. F. van Dishoeck: ALMA Community Day **118**, 67
- M. Dennefeld: The NEON School Enters a New Era **118**, 68
- D. Alloin, C. Lidman: Report on the 2004 IAOC Conference "The Cool Universe: Exploring Cosmic Dawn" **118**, 69
- H. Boffin, R. West: The "Venus Transit Experience" **118**, 69
- Personnel Movements **118**, 70
- C. Madsen, S. D'Odorico: ESO Presentation in Copenhagen **118**, 71
- ANNOUNCEMENTS**
- B. Pirenne: Upcoming Change in the Supported Archive Output Media **115**, 52
- ESO-Acetri Conference on Chemical Abundances and Mixing in Stars in the Milky Way and its Satellites **115**, 52
- Personnel Movements **115**, 53
- ESO Studentship Programme **115**, 53
- ESO Vacancy: ESO Representative in Chile, Head of the Office for Science Santiago **115**, 54
- ESO Vacancy: Operations Staff Astronomer, Deputy Head of the Paranal Science Operations Department **115**, 54
- ESO Vacancy: Staff Astronomer **115**, 55
- ESO Vacancy: Operations Staff Astronomer (VLTI) **115**, 55
- B. Pirenne, P. Quinn: Science Products from large programmes to be available from the ESO archive **116**, 48
- C. Madsen: Visit EIROforum at ESOF 2004 **116**, 48
- NOVA-ESO-MPIA workshop on VLTI/MIDI Data reduction, Analysis and Science **116**, 49
- International Astronomical Observatories in Chile (IAOC) Workshop in 2004 "The Cool Universe: Observing Cosmic Dawn" **116**, 49
- ESO Vacancy: Senior Astronomer, Director of the La Silla/Paranal Observatories **116**, 50
- Personnel Movements **116**, 50
- ESO Fellowship Programme 2004/2005 **116**, 51
- A. Renzini: A New Start for Public Surveys **117**, 68
- Personnel Movements **117**, 69
- ESO Vacancy: Desktop Publishing/Graphics Specialist **117**, 70
- ESO Workshop Proceedings Still Available **117**, 70
- ESO Fellowship Programme 2004/2005 **117**, 71