

## TELESCOPE TIME

### Applying for Time

Danny Lennon (Head of Astronomy, ING)

It is important that applicants for telescope time familiarise themselves with the latest news on instrumentation and detector combinations on offer, as well as with our scheduling restrictions. For the very latest news always refer to the ING web pages, homepage <http://www.ing.iac.es>, where application forms and style files may also be obtained. The ING's scheduling constraints were summarised in the first issue of the *ING Newsletter* and will not be repeated here, please refer to that issue, which is also available on our Astronomy web pages.

Note that PPARC are no longer distributing the PATT newsletter. Therefore UK applicants, along with all prospective applicants, are encouraged to subscribe to INGNEWS. You can subscribe to this mailing list by sending an email to [majordomo@ing.iac.es](mailto:majordomo@ing.iac.es) with the message 'subscribe ingnews' in the body of the message. Please leave the subject field and the rest of the body of the message empty. A number of weeks before each application deadline, you will then receive a bulletin detailing instrument availability for the relevant semester.

### What's New

As shown on the front cover of this issue, NAOMI tests have had considerable success with impressive performance even in the optical. In a separate article in this issue Chris Benn summarises the progress so far. Note that OSCA, the coronagraph being developed for NAOMI, is now likely to be commissioned in semester 2002A.

Progress on the long-awaited new Small Fiber Module for AF2 was excellent and it was successfully commissioned in July 2001. Current estimates of the throughput of AF2 with the new fibres is that they are similar to the best of the old large fibres. Since the relative throughput of the new fibres is quite uniform, unlike the old fibres, the average throughput is improved and estimated at 20%. An additional advantage with the new system is the use of coherent fibre bundles for fiducial stars which now permits autoguiding. Further details may be found in the article by Corradi et al. elsewhere in this issue. Note that large fibres can no longer be offered as an observing option!

### Important Dates

Deadlines for submitting applications

UK PATT and NL NFRA PC:  
**31 March, 30 September**

SP CAT: **1 April, 1 October**

ITP: **30 June**

Semesters

Semester A:  
**1 February – 31 July**

Semester B:  
**1 August – 31 January**

As announced in the previous issue, availability of UES will be curtailed due to work on the Nasmyth platform this coming summer. In order to continue to provide access to a high resolution spectrograph at the ING we have successfully negotiated access to SARG on the TNG. Depending on demand, up to seven nights per semester will be available to the UK and NL communities. Prospective applicants should continue to apply to their respective national panels for SARG/TNG time. In exchange the Italian community will receive observing time on the WHT. Further details on the TNG and SARG may be found at <http://www.tng.iac.es>. □

Danny Lennon ([djl@ing.iac.es](mailto:djl@ing.iac.es))

## Telescope Time Awards Semester 2001B

For observing schedules please visit this web page:  
<http://lpss33.ing.iac.es:8080/cgi-bin/schedules.pl>

ITP Programmes on the ING Telescopes

- Barcons (IF Cantabria), *An XMM-Newton international survey (AXIS-II): unveiling the hard X-ray source populations*. ITP/2001/2
- Doressoundiram (Paris), *Multi-color taxonomy of trans-Neptunian objects*. ITP/2001/1
- Moles (IMAFF Madrid), *A photometric wide-field survey of low-z clusters: defining the local reference sample for distant cluster studies*. ITP/2001/3

William Herschel Telescope

UK PATT

- Bower (Durham), *The outer-cluster environment at  $z=0.4$* . W/2001B/47
- Bridges (AAO), *A spectroscopic study of globular clusters in M31: Part II*. W/2001B/15
- Carter (Liverpool), *The nature of the dark halos of the Local Group galaxies M31 and M33*. W/2001B/21
- Davies (Durham), *Mapping early type galaxies along the Hubble Sequence*. W/2001B/28
- Dhillon (Sheffield), *Imaging star-spots on the secondary stars in cataclysmic variables*. W/2001B/6
- Edge (Durham), *Emission line kinematics in central cluster galaxies in cooling flows*. W/2001B/5
- Farrah (Imperial College), *The environments of hyperluminous infrared galaxies*. W/2001B/39

- Green (Open University), *Lightcurves of massive EKBOs — Binaries or icy spots?* **W/2001B/25**
- Harries (Exeter), *A search for Zeeman polarization in the emission lines of classical T Tauri stars.* **W/2001B/27**
- Howarth (UCL), *Line formation in O-type stars.* **W/2001B/71**
- Irwin (Cambridge), *Kinematics of a giant tidal stellar stream in the halo of M31.* **W/2001B/44**
- Jeffries (Keele), *Wide binary brown dwarfs.* **W/2001B/64**
- Keenan (Belfast), *High spatial and spectral resolution observations of high velocity cloudlets towards M15.* **W/2001B/4**
- Knapen (Hertfordshire, ING), *A check of the theory of bar driven spirals based on deep K-band images of nearby galaxies.* **W/2001B/16**
- Marsh (Southampton), *The low luminosity cataclysmic variable, GD552.* **W/2001B/35**
- Meikle (Imperial College), *Detection and study of supernovae in nuclear starburst regions.* **W/2001B/34**
- Merrifield (Nottingham), *Planetary nebula kinematics of flattened early-type galaxies.* **W/2001B/12**
- Metcalfe (Durham), *Infra-red photometry of Chandra sources on the extended Herschel Deep Field.* **W/2001B/38**
- Peroux (Cambridge), *Tracing Galactic haloes at  $3.0 < z < 4.5$  using CIV absorption lines.* **W/2001B/62**
- Pettini (Cambridge), *Star-forming galaxies and the Ly-alpha forest at  $z \approx 3$ : the Galaxy-IGM connection.* **W/2001B/1**
- Pollacco (QUB), *Restarting the fast wind in the Sakurai Object (V4334 Sagittarii).* **W/2001A/12 LT**
- Rawlings (Oxford), *Tracing large scale structure with radio galaxies.* **W/2001B/49**
- Refregier (IoA), *Measuring cosmological parameters with weak gravitational lensing.* **W/2001A/62 LT**
- Ryan (Open University), *Carbon nucleosynthesis in the first stars.* **W/2001B/11**
- Shanks (Durham), *A spectroscopic test of anomalous two-colour diagrams of cepheid open clusters.* **W/2001B/42**
- Smail (Durham), *Testing photometric redshifts using cluster lenses.* **W/2001B/66**
- Smail (Durham), *The role of dark matter in cluster formation and galaxy evolution: Wide-field IR imaging of the cluster Cl 0024+1654.* **W/2001B/57**
- Smartt (Cambridge), *A complete survey of the Wolf-Rayet content of M33.* **W/2001B/10**
- Smartt (Cambridge), *Wolf-Rayet content of the starburst galaxy IC10: an anomaly for stellar and galactic evolution?* **W/1999B/79 PB**
- Tadhunter (Sheffield), *The nature of the far-IR/sub-mm excess in powerful radio galaxies.* **W/2000B/70 PB**
- Tanvir (Hertfordshire), *Rapid imaging of GRB error boxes and spectroscopy of GRB-related optical/IR transients.* **W/2001B/60**
- Vink (Imperial College), *Could Herbig stars be magnetic accretors?* **W/2001B/36**
- Ward (Leicester), *The nature and environment of Galactic super-Eddington Sources.* **W/2001B/33**
- Willott (Oxford), *The Fundamental Plane and black hole masses of  $z = 0.5$  radio galaxies.* **W/2001B/67**
- Wills (Sheffield), *Triggering the activity in giant elliptical galaxies.* **W/2001B/45**
- Lacerda (Leiden), *Rotational properties of (smaller) Kuiper Belt objects.* **w01bn003**
- Mengel (Leiden), *Star formation history in nearby mergers.* **w01bn021**
- Nelemans (Amsterdam), *Identification of low-luminosity cataclysmic variable candidates in the Faint Sky Variability Survey.* **w01bn022**
- Vreeswijk (Amsterdam), *Rapid imaging of GRB error boxes and spectroscopy of GRB-related optical/IR transients.* **w01bn019**
- de Zeeuw (Leiden), *Mapping early-type galaxies along the Hubble Sequence.* **w01bn009**

## SP CAT

- Castro-Tirado (IA Andalucía), *Rapid optical and IR detection of GRB counterparts.* **W11/2001B**
- Colina (IF Cantabria), *Integral field spectroscopy of ultraluminous infrared galaxies.* **W8/2001B**
- Delgado-Sánchez (IA Andalucía), *Spectroscopy of Pre-Main Sequence candidates in young clusters.* **W1/2001B**
- Erwin (IAC), *Inner bars, disks and nuclear rings along the Hubble sequence.* **W16/2001B**
- Esteban (IAC), *Chemical abundances based on recombination lines in ionized nebulae.* **W10/2001B**
- López (Barcelona), *Kinematic structure of the transversal part of stellar jets.* **W6/2001B**
- Mampaso (IAC), *Chemical gradients and evolution in M33 based on PN and HII regions.* **W23/2001B**
- Martínez (Valencia), *The mass and extent of halos in elliptical galaxies.* **W14/2001B**
- Neguerela (Strasbourg), *The orbit of V0332+53.* **W12/2001B**
- Paredes (Barcelona), *Search for new microquasars: spectroscopic confirmation of candidates.* **W2/2001B**
- Pérez (IA Andalucía), *Kinematic corrugations in spiral galaxies.* **W4/2001B**
- Prieto (IAC), *A study of high redshift galaxies with extreme star formation.* **W21/2001B**
- Rebolo (IAC), *A search for isolated Jovian planets in Orion.* **W25/2001B**
- Rebolo (IAC), *Sulphur abundances in metal-poor stars.* **W22/2001B**
- Sulentici (IA Andalucía), *The physics of the ISM in past and present interaction events.* **W15/2001B**
- Zurita (ING), *Dust in regions of massive star formation.* **W18/2001B**

## Instruments Builder's Guaranteed Time

- Packham (Florida), *The initial conditions to star formation.* **GT/2001B/1**

## Isaac Newton Telescope

## UK PATT

- Benn (ING), *An extinction map of M31.* **I/2001B/40**
- Bonnell (St Andrews), *Inflow and outflow in T Tauri systems: splashback or disc-wind?* **I/2001B/23**
- Boyce (Bristol), *CCD imaging of gas-rich low surface brightness galaxies found at 21cm.* **I/2001B/21**
- Burleigh (Leicester), *Asteroseismology of a pulsating helium-atmosphere white dwarf.* **I/2001B/1**
- Hewett (Cambridge), *Probing the dark halo of M31 with pixel microlensing.* **I/2001B/4**
- Liu (UCL), *A deep optical recombination line abundance survey of northern hemisphere planetary nebulae.* **I/2001B/30**
- Marsh (Southampton), *Subdwarf-B stars: tracers of binary evolution.* **I/2001B/12**

## NL NFRA PC

- Förster Schreiber (Leiden), *Near-infrared snapshot survey for bright lensed red high-redshift galaxies.* **w01bn014**
- Ferguson (Groningen), *A search for recent massive star formation in gas-rich ellipticals/SOs.* **w01bn001**
- Hulleman (Utrecht), *What powers the anomalous X-ray pulsar 4U 0142+61?* **w01bn011**
- Kuijken (Groningen), *Planetary nebula kinematics of flattened galaxies.* **w01bn012**

- Marsh (Southampton), *Subdwarf-B stars: traces of binary evolution. II. Galactic plane sample.* **I/2001B/29**
- McLure (Oxford), *A photometric redshift study of radio galaxy environments spanning 3 decades in luminosity.* **I/2001B/13**
- North (Southampton), *The ages of cataclysmic variables.* **I/2001B/10**
- Pinfield (Liverpool John Moores University), *An intermediate age population of very low-mass stars & brown dwarfs.* **I/2001B/8**
- Sharples (Durham), *The disk galaxy population in nearby clusters.* **I/2001B/11**
- Tanvir (Hertfordshire), *A CCD Survey of the halo and outer disk of M31.* **I/2001B/14**
- Tanvir (Hertfordshire), *Rapid imaging of GRB error boxes and spectroscopy of GRB-related optical/IR transients.* **W/2001B/60 [sic]**

#### NL NFRA PC

- Jimenez (Groningen), *A much-improved stellar library for stellar population synthesis.* **i01bn002**
- Lacerda (Leiden), *Rotational properties of (larger) Kuiper Belt objects.* **i01bn001**
- Nelemans (Amsterdam), *Follow-up of possible type Ia supernova progenitors.* **i01bn004**
- Sackett (Groningen), *The MEGA Survey: Mapping microlensing in M31.* **i01bn006**
- Vreeswijk (Amsterdam), *Rapid imaging of GRB error boxes and spectroscopy of GRB-related optical/IR transients.* **w01bn019 [sic]**

#### UK/NL WFS Programmes

- Dalton (Oxford), *The Oxford Deep WFC Survey.* **WFS/2001B/6**
- van den Heuvel (Amsterdam), *The Faint Sky Variability Survey II.* **WFS/2001B/1**
- McMahan (IoA), *The INT Wide Angle Survey.* **WFS/2001B/8**
- Walton (ING), *The Local Group census.* **WFS/2001B/4**
- Watson (Leicester), *An imaging programme for the XMM-Newton Serendipitous X-ray Sky Survey.* **WFS/2001B/3**

#### SP CAT

- Balcells (IAC), *Deep U & I imaging of high-redshift galaxies with extreme star formation.* **I8/2001B**
- Castro-Tirado (IA Andalucía), *Rapid optical and IR detection of GRB counterparts.* **IW11/2001B**
- Gallego (Comp. Madrid), *Evolution of the Star Formation Rate density of the Universe at intermediate redshift.* **I13/2001B**
- Gonçalves (IAC), *The nature of low-ionization microstructures in PNe: determination of the physical parameters.* **I12/2001B**
- Magrini (Florence), *PN and the intergalactic stellar population in the M81 system.* **I6/2001B**
- Popovic (Belgrade), *Disk emission in AGN.* **I18/2001B**
- Rebolo (IAC), *The rotation of brown dwarfs.* **I19/2001B**
- Ribas (Barcelona), *Direct determination of the distance to M31 using eclipsing binaries.* **I4/2001B**
- Vilchez (IA Andalucía), *Constraints to the evolution of ring galaxies from abundance gradients.* **I5/2001B**
- Villamariz Cid (IAC), *CNO abundancies in galactic OB stars: rotation and mixing processes.* **I16/2001B**

#### Jacobus Kapteyn Telescope

#### UK PATT

- Boyce (Bristol), *H-alpha imaging of gas-rich low surface brightness galaxies found at 21cm.* **J/2001B/10**

- Bucciarelli (Turin), *Photometric calibrators for the Palomar Sky Surveys.* **J/2001B/4**
- Burleigh (Leicester), *Optical variability of cool stars in the Galactic Plane.* **J/2001B/14**
- Davies (JAC), *Lightcurves of Near Earth Objects.* **J/2001B/2**
- Dhillon (Sheffield), *Imaging star-spots on the secondary stars in cataclysmic variables.* **J/2001B/1**
- Fitzsimmons (Belfast), *The size and composition of Near-Earth Objects.* **J/2001B/7**
- Folha (Porto), *Pulsations in pre-Main Sequence Herbig Ae stars.* **J/2001B/15**
- James D (St Andrews), *Rotation period determinations in the intermediate-aged open cluster NGC2168.* **J/2001B/12**
- James P (LJMU), *A survey of star formation in the local Universe.* **J/2000A/11 LT**
- McBride (Open University), *Physical and thermal properties of Earth crossing asteroid 1998 WT24.* **J/2001B/6**
- Pollacco (Belfast), *Central stars of bipolar Planetary Nebula: ~100% binarity?* **J/2001B/5**
- Schönberner (Potsdam), *The mass loss history of planetary nebulae with 'normal' and WR-type nuclei.* **J/2001B/3**
- Smith (Cork), *A search for optical variability in radio intermediate quasars.* **J/2001B/8**
- Tanvir (Hertfordshire), *Rapid imaging of GRB error boxes and spectroscopy of GRB-related optical/IR transients.* **W/2001B/60 [sic]**

#### NL NFRA PC

- Ferguson (Groningen), *Star formation in nuclear and outer regions in barred spirals.* **j01bn001**
- Noordermeer (Groningen), *Multi-color imaging of galaxies in the WHISP sample.* **j01bn002**
- Vreeswijk (Amsterdam), *Rapid imaging of GRB error boxes and spectroscopy of GRB-related optical/IR transients.* **w01bn019 [sic]**

#### SP CAT

- Baes (Vienna), *Tracing the dynamic interplay between the gas-dominated and star-dominated disk components in barred spirals.* **J5/2001B**
- Carraro (Padova), *Formation and evolution of the Milky Way: the Galactic disk.* **J117/2001B**
- Castro-Tirado (IA Andalucía), *Rapid optical and IR detection of GRB counterparts.* **JW11/2001B**
- Kidger (IAC), *Definition of an accurate 1–30 $\mu$  flux calibration system for GTC.* **J2/2001B**
- Lara (IA Andalucía), *The dust and gas coma of comet C/2000 WM1 (Linear).* **J1/2001B**
- López Aguerra (Basel), *Restriction on the amount of dark matter in SAB galaxies.* **J3/2001B**
- Pérez García (IAC), *Atlas of starburst galaxies through H recombination lines imaging.* **J4/2001B**

#### Abbreviations:

CAT	Comité para la Asignación de Tiempo
ITP	International Time Programme
NFRA	Netherlands Foundation for Research in Astronomy
NL	The Netherlands
PATT	Panel for the Allocation of Telescope Time
PC	Programme Committee
SP	Spain
UK	The United Kingdom
WFS	Wide Field Survey