

|                  |                                                      |     |
|------------------|------------------------------------------------------|-----|
| PREFACE          | <i>C. Muñoz-Tuñón &amp; J. M. Rodríguez-Espinosa</i> | ix  |
| ACKNOWLEDGMENTS  | <i>C. Muñoz-Tuñón &amp; J. M. Rodríguez-Espinosa</i> | x   |
| PARTICIPANTS     |                                                      | xii |
| GROUP PHOTOGRAPH |                                                      | xv  |

## ORAL CONTRIBUTIONS

|                                                                                                                                                                                                                              |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| MEASURING POTASSIUM IN EXOPLANET ATMOSPHERES WITH THE OSIRIS TUNABLE FILTER<br><i>K. D. Colón, H. J. Deeg, E. B. Ford, S. Redfield, J. J. Fortney, M. Shabram, &amp; S. Mahadevan</i>                                        | 1  |
| A BLACK HOLE IN THE X-RAY TRANSIENT XTE J1859+226: THE FIRST CONFIRMED WITH GTC<br><i>J. M. Corral-Santana, J. Casares, T. Shahbaz, C. Zurita, I. G. Martínez-Pais, &amp; P. Rodríguez-Gil</i>                               | 3  |
| OSIRIS DEEP IMAGING OF CYGNUS OB2: THE STELLAR POPULATION OF THE CYGNUS X CENTRAL ENGINE<br><i>M. G. Guarcello, J. J. Drake, N. J. Wright, D. García-Álvarez, J. E. Drew, T. Aldcroft, A. Fruscione, &amp; V. L. Kashyap</i> | 5  |
| AN ACCURATE DISTANCE SCALE TO THE EXTREMELY MASSIVE CLUSTER STEPHENSON 2<br><i>C. González-Fernández, I. Negueruela, A. Marco, &amp; J. S. Clark</i>                                                                         | 8  |
| RESULTS OF THE FIRST EXOPLANET TRANSMISSION SPECTROSCOPY ATTEMPT WITH GTC<br><i>M. López-Morales, I. Ribas, D. K. Sing, C. Huitson, F. Rodler, E. García-Melendo, A. Behu, &amp; A. Cabrera-Lavers</i>                       | 10 |

# CONTENTS

|                                                                                                                                                                                                                                                                                                                                                                                       |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| KINEMATIC PROPERTIES OF STAR CLUSTERS IN M33<br><i>I. San Roman, A. Sarajedini, A. Aparicio, &amp; C. Gallart</i>                                                                                                                                                                                                                                                                     | 12 |
| ELECTRON DENSITIES OF HII REGIONS THROUGHOUT THE NGC 6946 DISK<br><i>J. E. Beckman, B. Cedrés, C. Giammanco, A. Bongiovanni, &amp; J. Cepa</i>                                                                                                                                                                                                                                        | 14 |
| OSIRIS TUNABLE FILTER IMAGING OF THE LARGE SCALE SHOCK IN STEPHAN'S QUINTET<br><i>M. Rosado, J. Sulentic, L. Verdes-Montenegro, &amp; A. Pérez-García</i>                                                                                                                                                                                                                             | 16 |
| ABSORPTION LINE MAPPING WITH OSIRIS TUNABLE FILTERS: A PILOT STUDY<br><i>A. J. Cenarro, A. Bongiovanni, A. Vazdekis, &amp; J. Cepa</i>                                                                                                                                                                                                                                                | 18 |
| EMISSION-LINE MAPS WITH OSIRIS-TF: THE CASE OF M101<br><i>J. Méndez-Abreu</i>                                                                                                                                                                                                                                                                                                         | 20 |
| GTC LONG-SLIT SPECTROSCOPY OF COMPACT STELLAR CLUSTERS IN M81<br><i>Y. D. Mayya, D. Rosa-González, M. Santiago-Cortés, K. Arellano-Córdova, &amp; M. Rodríguez</i>                                                                                                                                                                                                                    | 22 |
| THE EVOLUTIONARY PATHS AMONG GALAXY TYPES ON THE RED SEQUENCE AT $0.3 < Z < 1.5$<br><i>M. C. Eliche-Moral, M. Prieto, M. Balcells, D. Abreu, G. Barro, D. Cristóbal-Hornillos, L. Domínguez Palmero, P. Erwin, J. Gallego, R. Guzmán, A. Hempel, C. López-Sanjuan, P. G. Pérez-González, &amp; J. Zamorano</i>                                                                        | 24 |
| VELOCITY DISPERSIONS AND STELLAR POPULATIONS OF THE MOST COMPACT AND MASSIVE EARLY-TYPE GALAXIES AT REDSHIFT $\sim 1$<br><i>J. Martínez-Manso, R. Guzmán, G. Barro, A. J. Cenarro, P. G. Pérez-González, P. Sánchez-Blázquez, I. Trujillo, M. Balcells, N. Cardiel, J. Gallego, A. Hempel, &amp; M. Prieto</i>                                                                        | 26 |
| STAR FORMATION FEEDBACK FOR COMPACT STELLAR SYSTEMS<br><i>C. Muñoz-Tuñón, G. Tenorio-Tagle, S. Silich, R. Wünsch, J. Palouš, J. Méndez-Abreu, &amp; J. M. Rodríguez-Espinosa</i>                                                                                                                                                                                                      | 28 |
| DERIVING THE DYNAMICAL MASSES OF ULTRA-LUMINOUS X-RAY SOURCES WITH OSIRIS<br><i>A. González-Galán, F. Vilardell, I. Negueruela, J. Casares, A. Herrero, &amp; T. Shahbaz</i>                                                                                                                                                                                                          | 30 |
| GTC AND OSIRIS: EXPANDING THE METALLICITY HORIZON OF MASSIVE STARS KNOWLEDGE<br><i>M. García &amp; A. Herrero</i>                                                                                                                                                                                                                                                                     | 32 |
| GRB 101225A: AN UNUSUAL STELLAR DEATH ON CHRISTMAS DAY<br><i>C. C. Thöne, A. de Ugarte Postigo, C. L. Fryer, K. L. Page, J. Gorosabel, M. Aloy, D. Perley, &amp; the Christmas Burst Collaboration</i>                                                                                                                                                                                | 34 |
| THE FIRST TWO MONTHS IN THE LIFETIME OF THE NEWLY BORN JET ASSOCIATED TO SWIFT J1644+57<br><i>A. J. Castro-Tirado, J. L. Gómez, I. Agudo, M. A. Guerrero, M. Bremer, J. M. Winters, J. Gorosabel, S. Guziy, A. de Ugarte Postigo, M. Jelínek, J. C. Tello, R. Sánchez-Ramírez, D. Pérez-Ramírez, J. Reyes-Iturbide, I. H. Park, S. Jeong, A. S. Pozanenko, &amp; J. Acosta-Pulido</i> | 36 |
| STELLAR ARCHAEOLOGY IN THE M31 HALO<br><i>L. Di Fabrizio, G. Clementini, V. Ripepi, G. Coppola, F. Cusano, L. Federici, R. Contreras, M. Dall'Orta, M. Marconi, I. Musella, F. Fusi Pecci, M. Tosi, &amp; A. M. N. Ferguson</i>                                                                                                                                                       | 38 |

# CONTENTS

|                                                                                                                                                                                                                                                                                                               |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| A MID-IR SURVEY OF LOCAL AGN WITH GTC/CANARICAM<br><i>A. Alonso-Herrero &amp; C. Packham</i>                                                                                                                                                                                                                  | 41 |
| THE GALAXY CLUSTER EVOLUTION SURVEY (GLACE): OVERVIEW<br>AND STATUS REPORT<br><i>M. Sánchez-Portal, I. Pintos-Castro, R. Pérez-Martínez, J. Cepa,<br/>A. Bongiovanni, A. Ederoclite, A. M. Pérez García, J. I. González-Serrano,<br/>E. J. Alfaro, &amp; the GLACE Team</i>                                   | 44 |
| EXPLORING (EXTREMELY) OBSCURED ACCRETION<br><i>F. J. Carrera, S. Mateos, R. Della Ceca, A. Caccianiga, A. Corral,<br/>P. Severgnini, &amp; A. del Moro</i>                                                                                                                                                    | 47 |
| THE EXTREME PROPERTIES OF THE “GREEN PEA” GALAXIES. NEW<br>HINTS FROM GTC OBSERVATIONS<br><i>R. O. Amorín, J. M. Vélchez, E. Pérez-Montero, &amp; P. Papaderos</i>                                                                                                                                            | 49 |
| THE OBSCURATION IN LINERS<br><i>J. Masegosa, I. Márquez, O. González-Martín, J. Acosta,<br/>J. M. Rodríguez-Espinosa, A. Alonso-Herrero, &amp; R. Mason</i>                                                                                                                                                   | 51 |
| THE PARSEC-SCALE INFRARED EMISSION OF SEYFERT GALAXIES<br><i>C. Ramos Almeida</i>                                                                                                                                                                                                                             | 53 |
| SHARDS: SURVEY FOR HIGH-Z ABSORPTION RED & DEAD SOURCES<br><i>P. G. Pérez-González, A. Cava, &amp; the SHARDS Team</i>                                                                                                                                                                                        | 55 |
| THE DEPENDENCE OF THE LYMAN- $\alpha$ LUMINOSITY FUNCTION ON<br>REDSHIFT USING SHARDS<br><i>J. M. Rodríguez-Espinosa, O. González-Martín, J. A. L. Aguerri,<br/>C. Muñoz-Tuñón, P. G. Pérez-González, &amp; A. Cava</i>                                                                                       | 58 |
| THE LYMAN ALPHA ESCAPE FRACTION ALONG THE HISTORY OF<br>THE UNIVERSE<br><i>J. M. Mas-Hesse</i>                                                                                                                                                                                                                | 60 |
| LAE’S AT $Z \sim 4.5$ : THE ENVIRONMENT OF THE RADIO QUIET QSO<br>SDSS J080849.42+521515.3<br><i>E. Benítez, Y. Krongold, J. J. González, I. Cruz-González, D. Dultzin,<br/>M. Plionis, &amp; V. H. Chavushyan</i>                                                                                            | 62 |
| A SEARCH OF VERY HIGH REDSHIFT QSOS IN THE ALHAMBRA SUR-<br>VEY WITH GTC/OSIRIS<br><i>I. Matute, I. Márquez, J. Masegosa, &amp; A. Fernández-Soto</i>                                                                                                                                                         | 64 |
| SPECTROSCOPY OF LENSING GALAXIES IN THE GTC ERA<br><i>V. N. Shalyapin &amp; L. J. Goicoechea</i>                                                                                                                                                                                                              | 66 |
| LAES & LBGS WITH OSIRIS<br><i>J. A. de Diego, M. A. De Leo, J. Cepa, &amp; A. Bongiovanni</i>                                                                                                                                                                                                                 | 68 |
| THE OTELO PROJECT<br><i>J. Cepa, A. Bongiovanni, A. M. Pérez García, A. Ederoclite, M. A. Lara-López,<br/>E. J. Alfaro, J. Gallego, J. J. González, J. I. González-Serrano,<br/>M. Sánchez-Portal, H. O. Castañeda, J. Bland-Hawthorn,<br/>J. M. Rodríguez-Espinosa, M. Fernández-Lorenzo, &amp; M. Pović</i> | 70 |
| THE ROLE OF GTC IN GAMMA-RAY BURST SCIENCE<br><i>A. de Ugarte Postigo, J. Gorosabel, C. C. Thöne, &amp; R. Sánchez-Ramírez</i>                                                                                                                                                                                | 73 |
| TRACKING THE REIONISATION HISTORY OF THE UNIVERSE<br><i>E. Salvador-Solé, A. Manrique, &amp; J. Viñas</i>                                                                                                                                                                                                     | 75 |
| OSIRIS AT GTC<br><i>J. Cepa &amp; OSIRIS Team</i>                                                                                                                                                                                                                                                             | 77 |

# CONTENTS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| FIRST SCIENCE WITH SHARDS: EMISSION LINE GALAXIES<br><i>A. Cava, P. G. Pérez-González, &amp; SHARDS Collaboration</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 79  |
| THE PROMISE OF CANARICAM<br><i>C. M. Telesco, C. Packham, F. Varosi, D. Li, J. G. Bennett, E. Pantin,<br/>C. Álvarez, &amp; S. Fernández Acosta</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 81  |
| THE PREPARATION OF THE GTC FOR THE SCIENTIFIC OPERATION<br>OF CANARICAM<br><i>C. A. Álvarez</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 84  |
| THE GTC SCIENTIFIC DATA ARCHIVE<br><i>E. Solano &amp; R. Gutiérrez</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 86  |
| FRIDA: THE AO SECOND GENERATION INSTRUMENT FOR GTC, STA-<br>TUS REPORT<br><i>B. Sánchez, J. Acosta, L. C. Álvarez, V. Bringas, N. Cardiel, A. Corrales,<br/>S. Cuevas, O. Chapa, J. J. Díaz, S. S. Eikenberry, M. C. Eliche-Moral,<br/>C. Espejo, R. Flores, F. Garzón, P. Hammersley, C. Keiman, G. Lara,<br/>J. A. López, P. López, D. Lucero, H. Moreno, S. Pascual, J. Patrón, A. Prieto,<br/>A. Rodríguez, J. Uribe, &amp; A. Watson</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 88  |
| MEGARA: THE FUTURE IFU AND MOS OF THE 10.4 M GTC<br><i>A. Gil de Paz, E. Carrasco, J. Gallego, F. M. Sánchez, J. M. Vélchez,<br/>M. L. García-Vargas, X. Arrillaga, M. A. Carrera, A. Castillo-Morales,<br/>E. Castillo, R. Cedazo, M. C. Eliche-Moral, D. Ferrusca, E. González,<br/>M. Maldonado, R. A. Marino, I. Martínez, I. Morales Durán, E. Mújica,<br/>S. Pascual, A. Pérez-Calpena, A. Sánchez-Penim, E. Sánchez-Blanco,<br/>F. Serena, S. M. Tulloch, V. Villar, J. Zamorano, D. Barrado y Navásquez,<br/>E. Bertone, N. Cardiel, A. Cava, A. J. Cenarro, M. Chávez, M. García,<br/>J. Guichard, R. Guzmán, A. Herrero, N. Huélamo, D. Hughes, J. Iglesias,<br/>J. Jiménez-Vicente, J. A. L. Aguerri, Y. D. Mayya, J. Abreu, M. Mollá,<br/>C. Muñoz-Tuñón, S. Torres-Peimbert, M. Peimbert, P. G. Pérez-González,<br/>E. Pérez-Montero, M. Rodríguez, J. M. Rodríguez-Espinosa,<br/>L. Rodríguez-Merino, D. Rosa-González, J. Sánchez Almeida,<br/>C. Sánchez Contreras, P. Sánchez-Blázquez, S. Sánchez, A. Sarajedini,<br/>S. Silich, S. Simón, G. Tenorio-Tagle, E. Terlevich, R. Terlevich, I. Trujillo,<br/>Y. Tsamis, &amp; O. Vega</i> | 90  |
| MIRADAS - THE NEXT-GENERATION NEAR-INFRARED SPECTRO-<br>GRAPH FOR THE GTC<br><i>S. S. Eikenberry &amp; MIRADAS Consortium</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 93  |
| STATUS OF SALT, AND JOINT SCIENCE PROJECTS WITH GTC<br><i>P. A. Charles</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 96  |
| THE FIRST YEARS OF GTC SCIENCE OPERATION, BY NUMBERS<br><i>R. G. M. Rutten</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 99  |
| <b>POSTERS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |
| AO IMAGING AND INFRARED SPECTROSCOPY OF EXOPLANET HOST<br>STARS<br><i>I. Skillen &amp; D. Pollacco</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 101 |
| GTC OBSERVATIONS OF ULTRACOMPACT AM CVN BINARIES<br><i>T. Kupfer, P. J. Groot, &amp; R. G. M. Rutten</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 102 |
| SPECTROPHOTOMETRIC STUDY IN THE NEAR-IR OF A SAMPLE OF<br>MIPS SELECTED GALAXIES AT $Z \sim 2$<br><i>A. Sánchez de Miguel, J. Gallego, P. G. Pérez-González, N. Cardiel,<br/>J. Zamorano, R. Guzmán, A. González, &amp; N. Gruel</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 103 |
| FORMATION OF STELLAR INNER DISKS AND RINGS IN SPIRAL<br>GALAXIES THROUGH MINOR MERGERS<br><i>M. C. Eliche-Moral, A. C. González-García, M. Balcells, J. A. L. Aguerri,<br/>J. Gallego, J. Zamorano, &amp; M. Prieto</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 104 |

# CONTENTS

|                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| STRONG TRANSFORMATION OF SPIRALS AND GALAXY EVOLUTION<br>IN CLUSTERS WITH THE GTC<br><i>H. Bravo-Alfaro, Y. D. Mayya, &amp; L. Cortese</i>                                                                                                                                                                                                                                                                                              | 105 |
| TIDAL FEATURES IN INTERACTING GALAXIES<br><i>I. Fuentes-Carrera, L. Olguín, M. Rosado, P. Jablonka, P. Di Matteo,<br/>J. Borissova, &amp; H. Castañeda</i>                                                                                                                                                                                                                                                                              | 106 |
| OSIRIS H $\alpha$ IMAGING OF THE NGC 2770 SUPERNOVA FACTORY AND ITS<br>SATELLITE NGC 2770B<br><i>J. Gorosabel, A. J. Castro-Tirado, C. C. Thöne, A. de Ugarte Postigo,<br/>P. Ferrero, &amp; J. Cepa</i>                                                                                                                                                                                                                                | 107 |
| SEARCHING FOR PNE IN SPIRAL GALAXIES<br><i>S. Torres-Peimbert &amp; M. Peña</i>                                                                                                                                                                                                                                                                                                                                                         | 108 |
| EXPLORING THE STAR FORMING REGIONS IN VIGOROUS STAR<br>FORMING GALAXIES AT $Z = 0.84$<br><i>V. Villar, R. Guzmán, J. Gallego, P. G. Pérez-González, &amp; J. Zamorano</i>                                                                                                                                                                                                                                                               | 109 |
| OTELLO SURVEY: OPTIMAL EMISSION-LINE FLUX AND METALLICITY<br>ESTIMATION WITH OSIRIS/GTC<br><i>M. A. Lara-López, J. Cepa, H. O. Castañeda, A. M. Pérez García,<br/>A. Bongiovanni, A. Ederoclite, M. Fernández Lorenzo, M. Pović,<br/>M. Sánchez-Portal, E. J. Alfaro, J. Gallego, J. J. González, &amp;<br/>J. I. González-Serrano</i>                                                                                                  | 110 |
| OUTLIERS OF THE ASK CLASSIFICATION AS TARGETS FOR GTC<br>SERENDIPITY <i>J. Sánchez Almeida, J. A. L. Aguerri, &amp; C. Muñoz-Tuñón</i>                                                                                                                                                                                                                                                                                                  | 111 |
| INTEGRAL FIELD SPECTROSCOPY AND MULTI-WAVELENGTH IMAG-<br>ING OF NEARBY SPIRAL GALAXIES: NGC 5668 AS A PILOT CASE FOR<br>MEGARA<br><i>R. A. Marino, A. Gil de Paz, A. Castillo-Morales, J. C. Muñoz-Mateos,<br/>S. F. Sánchez, P. G. Pérez-González, J. Zamorano, J. Gallego,<br/>A. Alonso-Herrero, S. Kannappan, S. Boissier, M. C. Eliche-Moral,<br/>M. L. García-Vargas, E. Carrasco, J. M. Vélchez, &amp; F. M. Sánchez-Moreno</i> | 112 |
| GRB 100316A: A BURST FROM A HIGH REDSHIFT GALAXY<br><i>R. Sánchez-Ramírez, J. Gorosabel, A. de Ugarte Postigo, A. J. Castro-Tirado,<br/>C. C. Thöne, J. P. U. Fynbo, A. Cabrera-Lavers, S. Guziy, M. Jelínek,<br/>J. C. Tello, V. Peris, &amp; D. Galadí-Enríquez</i>                                                                                                                                                                   | 113 |
| LYMAN ALPHA EMITTERS IN GRAVITATIONAL LENSED FIELDS<br><i>M. A. De Leo, J. A. de Diego, T. Verdugo, A. Bongiovanni, J. Cepa, &amp;<br/>J. I. González-Serrano</i>                                                                                                                                                                                                                                                                       | 114 |
| DEVELOPMENT OF DATA REDUCTION PIPELINES FOR GTC INSTRU-<br>MENTS AT THE UCM<br><i>S. Pascual, J. Gallego, N. Cardiel, &amp; M. C. Eliche-Moral</i>                                                                                                                                                                                                                                                                                      | 115 |
| DEEP BLANK FIELDS FOR THE GTC<br><i>F. Jiménez-Esteban, A. Cabrera-Lavers, &amp; N. Cardiel</i>                                                                                                                                                                                                                                                                                                                                         | 116 |
| IDEALCAM: AN IDL GUI PACKAGE FOR CANARICAM DATA REDUC-<br>TION AND ANALYSIS<br><i>D. Li, E. López Rodríguez, E. Pantin, F. Varosi, C. M. Telesco, &amp; C. Packham</i>                                                                                                                                                                                                                                                                  | 117 |
| REDCAN: CANARICAM PIPELINE FOR THE REDUCTION AND ANALY-<br>SIS OF THE SPECTROSCOPIC DATA<br><i>O. González-Martín, T. Díaz-Santos, J. M. Rodríguez-Espinosa, C. Packham,<br/>A. Alonso-Herrero, P. Esquej, N. Levenson, E. López Rodríguez, R. Mason,<br/>C. Ramos Almeida, &amp; C. M. Telesco</i>                                                                                                                                     | 118 |

# CONTENTS

|                                                                                                                                                                                                                                                                                     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| STATUS OF THE CANARIAS INFRARED CAMERA EXPERIMENT (CIRCE) FOR THE GRAN TELESCOPIO CANARIAS                                                                                                                                                                                          |     |
| <i>S. S. Eikenberry, N. Lasso, S. N. Raines, M. Charcos, M. Edwards, A. Garner, A. Marín-Franch, A. J. Cenarro, J. G. Bennett, R. Frommeyer, M. Herlevich, P. Miller, C. Murphey, &amp; C. Packham</i>                                                                              | 119 |
| OPTO-MECHANICAL DESIGN OF FRIDA                                                                                                                                                                                                                                                     |     |
| <i>V. Bringas, D. Lucero, A. Corrales, J. Uribe, A. Rodríguez, J. M. Montoya, R. Estrada, L. Álvarez, E. Gómez, B. Sánchez, S. Cuevas, C. Espejo, R. Flores, C. Keiman, O. Chapa, G. Lara, &amp; S. S. Eikenberry</i>                                                               | 120 |
| FRIDA INTEGRAL FIELD UNIT OPTO-MECHANICAL DESIGN                                                                                                                                                                                                                                    |     |
| <i>S. Cuevas &amp; S. S. Eikenberry</i>                                                                                                                                                                                                                                             | 121 |
| HIGH CONTRAST IMAGING OPTICAL SPECIFICATIONS FOR FRIDA                                                                                                                                                                                                                              |     |
| <i>S. Cuevas, M. N'diaye, K. Dohlen, R. Soummer, C. Sánchez, &amp; F. Zamkotsian</i>                                                                                                                                                                                                | 122 |
| MEGARA CONTROL SYSTEM                                                                                                                                                                                                                                                               |     |
| <i>A. Castillo-Morales, M. C. Eliche-Moral, S. Pascual, V. Villar, R. A. Marino, N. Cardiel, I. Morales, E. González, R. Cedazo, F. Serena, J. Gallego, E. Carrasco, J. M. Vilchez, F. M. Sánchez, A. Gil de Paz, &amp; M. L. García-Vargas</i>                                     | 123 |
| MEGARA CRYOGENIC SYSTEM                                                                                                                                                                                                                                                             |     |
| <i>D. Ferrusca, E. Castillo, M. Velázquez de la Rosa, M. L. García-Vargas, J. Zamorano, A. Gil de Paz, J. Gallego, E. Carrasco, J. M. Vilchez, &amp; F. M. Sánchez-Moreno</i>                                                                                                       | 124 |
| MAKING OBSERVATIONS WITH GTC/MEGARA EASIER: THE MEGARA OBSERVING PREPARATION SOFTWARE SUITE                                                                                                                                                                                         |     |
| <i>M. C. Eliche-Moral, S. Pascual, N. Gruel, A. Castillo-Morales, E. Carrasco, J. Gallego, M. L. García-Vargas, A. Gil de Paz, R. A. Marino, I. Morales, A. Pérez-Calpena, F. M. Sánchez, J. M. Vilchez, V. Villar, &amp; J. Zamorano</i>                                           | 125 |
| MEGARA DETECTOR TEST BENCH AT LICA-UCM                                                                                                                                                                                                                                              |     |
| <i>S. M. Tulloch, M. L. García-Vargas, M. Maldonado, J. Zamorano, A. Gil de Paz, J. Gallego, E. Carrasco, J. M. Vilchez, &amp; F. M. Sánchez-Moreno</i>                                                                                                                             | 126 |
| MEGARA DEVELOPMENTS AT LICA-UCM                                                                                                                                                                                                                                                     |     |
| <i>J. Zamorano, A. Gil de Paz, J. Gallego, N. Cardiel, M. C. Eliche-Moral, S. Pascual, A. Castillo-Morales, R. A. Marino, V. Villar, M. L. García-Vargas, S. M. Tulloch, M. Maldonado, E. Sánchez-Blanco, E. Carrasco, F. M. Sánchez, J. M. Vilchez, V. Muñoz, &amp; D. Aguirre</i> | 127 |
| NEFER, A HIGH RESOLUTION FABRY-PÉROT SPECTROMETER                                                                                                                                                                                                                                   |     |
| <i>A. Bernal, M. Rosado, J. Cepa, &amp; L. A. Martínez</i>                                                                                                                                                                                                                          | 128 |
| CONCEPTUAL DESIGN OF A TWO-DEGREE FIELD CORRECTOR AND ADC FOR PRIME FOCUS AT THE 4.2 M WHT                                                                                                                                                                                          |     |
| <i>N. O'Mahony, T. Agócs, D. Cano, M. Balcells, C. R. Benn, &amp; D. Abrams</i>                                                                                                                                                                                                     | 129 |
| ENHANCEMENTS TO AF2/WYFFOS ON THE WHT                                                                                                                                                                                                                                               |     |
| <i>I. Skillen, L. Domínguez Palmero, &amp; R. Jackson</i>                                                                                                                                                                                                                           | 130 |
| REMOTE OBSERVING WITH THE ING TELESCOPES                                                                                                                                                                                                                                            |     |
| <i>I. Skillen &amp; R. Karjalainen</i>                                                                                                                                                                                                                                              | 131 |
| STUDENT TRAINING AT THE TELESCOPE IN THE 10-M ERA                                                                                                                                                                                                                                   |     |
| <i>L. Domínguez Palmero, C. R. Benn, &amp; R. Karjalainen</i>                                                                                                                                                                                                                       | 132 |
| PUBLIC CONFERENCE AND PICTURES                                                                                                                                                                                                                                                      | 133 |
| AUTHOR INDEX                                                                                                                                                                                                                                                                        | 137 |