

## NORDIC OPTICAL TELESCOPE SCHEDULE, Period 48: Oct 1,2013 - Apr 1, 2014

| Start Date (Noon) | End Date (Noon) | Proposal Number | Principal Investigator | Institute/ Country | Programme  | Instrument    | Remarks              |
|-------------------|-----------------|-----------------|------------------------|--------------------|--|---------------|----------------------|
| Oct 01            | Oct 02          | 48-009          | G. Battaglia           | IT                 | Decontaminating the ultra faint dwarf galaxies                 | MOSCA         |                      |
| Oct 02            | Oct 04          | 48-035          | G.L. Israel            | IT                 | Glimpsing a Chandra population of faint X-ray pulsators        | ALFOSC        |                      |
| Oct 04            | Oct 07          | 48-029          | H. Dahle               | NO                 | Arc statistics for the strongest gravitational lenses at 0.5.. | ALFOSC        |                      |
| Oct 07            | Oct 08          | 48-016          | H. Dahle               | NO                 | A new population of massive galaxy clusters from Planck        | ALFOSC        | Pre-imaging          |
| Oct 08            | Oct 09          | 48-031          | J. Andersen            | DK                 | The origin of carbon-enriched stars in the early Galaxy        | FIES +ALFOSC  | Service; half night  |
| Oct 08            | Oct 09          | 48-199          | Various                | Nordic             | Nordic service time  | FIES +ALFOSC  | Service; half night  |
| Oct 09            | Oct 12          | 48-803          | SAC                    | DK                 | SAC Guaranteed Time  | FIES +ALFOSC  |                      |
| Oct 12            | Oct 13          | 48-024          | A. Mason               | FI                 | Spectroscopic follow-up of Supergiant Fast X-ray Transient c.. | ALFOSC +FIES  | Service; half night  |
| Oct 12            | Oct 13          | 48-199          | Various                | Nordic             | Nordic service time  | ALFOSC +FIES  | Service; half night  |
| Oct 13            | Oct 14          | 48-901          | NOT                    | NOT                | Technical time   | ALFOSC +FIES  | Technical night      |
| Oct 14            | Oct 17          | 48-701          | FINCA                  | FI                 | FINCA observing school   | ALFOSC +FIES  | Remote from Turku;.. |
| Oct 17            | Oct 19          | 48-701          | FINCA                  | FI                 | FINCA observing school   | NOTCam + FIES | Remote from Turku;.. |
| Oct 19            | Oct 20          | 48-012          | E. Kankare             | FI                 | Supernovae in dusty environments                               | NOTCAM        | Service              |
| Oct 20            | Oct 21          | 48-121          | S. Vergani             | FR                 | The properties of a complete sample of long gamma-ray bursts.. | NOTCAM +FIES  | Service, 0.2 night   |
| Oct 20            | Oct 21          | 48-199          | Various                | Nordic             | Nordic service time  | NOTCAM +FIES  | Service; rest of n.. |
| Oct 21            | Oct 22          | 48-219          | J. I. Gonzalez         | ES                 | Follow-up of brown dwarfs and giant planets candidates from .. | FIES +ALFOSC  |                      |
| Oct 22            | Oct 25          | 48-101          | A. Sodor               | BE                 | Verifying the applicability of the Inverse Photometric Baade.. | FIES +ALFOSC  |                      |
| Oct 25            | Oct 26          | 48-199          | Various                | Nordic             | Nordic service time  | ALFOSC +FIES  |                      |
| Oct 26            | Oct 28          | 48-803          | SAC                    | DK                 | SAC Guaranteed Time  | FIES +ALFOSC  |                      |
| Oct 28            | Oct 29          | 48-002          | M. Spavone             | IT                 | Formation of Polar Ring Galaxies: a metallicity and SFR test   | ALFOSC        |                      |
| Oct 29            | Oct 30          | 48-002          | M. Spavone             | IT                 | Formation of Polar Ring Galaxies: a metallicity and SFR test   | ALFOSC +FIES  | Half night           |
| Oct 29            | Oct 30          | 48-199          | Various                | Nordic             | Nordic service time  | ALFOSC +FIES  | Service; half night  |
| Oct 30            | Nov 06          | 48-027          | M. Hayes               | SE                 | Characterizing the most extreme emission line galaxies         | ALFOSC        |                      |
| Nov 06            | Nov 07          | 48-031          | J. Andersen            | DK                 | The origin of carbon-enriched stars in the early Galaxy        | FIES +ALFOSC  | Service; half night  |
| Nov 06            | Nov 07          | 48-199          | Various                | Nordic             | Nordic service time  | FIES +ALFOSC  | Service; half night  |
| Nov 07            | Nov 08          | 48-901          | NOT                    | NOT                | Technical time   | ALFOSC +FIES  | Technical night      |
| Nov 08            | Nov 11          | 48-026          | T. Pursimo             | NOT                | Testing the standard cosmology with Very Long Baseline Inter.. | MOSCA         |                      |
| Nov 11            | Nov 12          | 48-901          | NOT                    | NOT                | Technical time   | ALFOSC +FIES  | Technical night      |
| Nov 12            | Nov 13          | 48-199          | Various                | Nordic             | Nordic service time  | ALFOSC +FIES  | Service              |
| Nov 13            | Nov 16          | 48-019          | H. Korhonen            | DK                 | Magnetic properties of the exoplanet host stars                | FIES +SOFIN   | Alt. SOFIN           |
| Nov 16            | Nov 21          | 48-023          | M. Mantere             | FI                 | Magnetic field polarity in active late-type stars              | FIES +SOFIN   | Alt. SOFIN           |
| Nov 21            | Nov 22          | 48-901          | NOT                    | NOT                | Technical time   | SOFIN +FIES   | Technical night      |
| Nov 22            | Nov 23          | 48-199          | Various                | Nordic             | Nordic service time  | ALFOSC +FIES  | Service              |

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| Nov 23            | Nov 24          | 48-199          | Various                | Nordic             | Nordic service time  | ALFOSC +FIES  | Service              |
| Nov 24            | Nov 25          | 48-012          | E. Kankare             | FI                 | Supernovae in dusty environments                               | NOTCAM        | Service              |
| Nov 25            | Nov 30          | 48-214          | L. Balaguer            | ES                 | Chemical Abundances in Northern Open Clusters                  | FIES +ALFOSC  |                      |
| Nov 30            | Dec 01          | 48-199          | Various                | Nordic             | Nordic service time  | FIES +ALFOSC  | Service; half night  |
| Nov 30            | Dec 01          | 48-031          | J. Andersen            | DK                 | The origin of carbon-enriched stars in the early Galaxy        | FIES +ALFOSC  | Service; half night  |
| Dec 01            | Dec 06          | 48-016          | H. Dahle               | NO                 | A new population of massive galaxy clusters from Planck        | ALFOSC        |                      |
| Dec 06            | Dec 07          | 48-199          | Various                | Nordic             | Nordic service time  | ALFOSC +FIES  | Service              |
| Dec 07            | Dec 09          | 48-212          | J. Garcia              | ES                 | High resolution spectroscopy of Photoionized Herbig-Haro Obj.. | FIES +ALFOSC  |                      |
| Dec 09            | Dec 13          | 48-205          | M.C. Galvez            | ES                 | The path to Earth analogues and Super-Earth atmosphere science | FIES +ALFOSC  |                      |
| Dec 13            | Dec 14          | 48-219          | J. I. Gonzalez         | ES                 | Follow-up of brown dwarfs and giant planets candidates from .. | FIES +ALFOSC  |                      |
| Dec 14            | Dec 15          | 48-901          | NOT                    | NOT                | Technical time   | ALFOSC +FIES  | Technical night      |
| Dec 15            | Dec 16          | 48-901          | NOT                    | NOT                | Technical time   | NOTCAM +FIES  | Technical night      |
| Dec 16            | Dec 17          | 48-012          | E. Kankare             | FI                 | Supernovae in dusty environments                               | NOTCAM        | Service              |
| Dec 17            | Dec 20          | 48-201          | R. Scarpa              | ES                 | Testing Newtonian gravity in the low acceleration regime wit.. | FIES +ALFOSC  |                      |
| Dec 20            | Dec 21          | 48-199          | Various                | Nordic             | Nordic service time  | ALFOSC +FIES  | Service              |
| Dec 21            | Dec 25          | 48-217          | H.J. Deeg              | ES                 | Spectroscopic characterization and radial velocities of Coro.. | FIES +ALFOSC  |                      |
| Dec 25            | Dec 26          | 48-031          | J. Andersen            | DK                 | The origin of carbon-enriched stars in the early Galaxy        | FIES +ALFOSC  | Service; half night  |
| Dec 25            | Dec 26          | 48-199          | Various                | Nordic             | Nordic service time  | FIES +ALFOSC  | Service; half night  |
| Dec 26            | Dec 29          | 48-109          | R. Jeffries            | UK                 | Are magnetically active, single M-dwarfs too big?              | FIES +ALFOSC  |                      |
| Dec 29            | Jan 05          | 48-022          | G. Ostlin              | SE                 | Lyman Alpha in the HST frontier fields                         | MOSCA         |                      |
| Jan 05            | Jan 06          | 48-210          | E. Palle               | ES                 | Observing the Earth-Moon system transiting the Sun, using Jo.. | ALFOSC        |                      |
| Jan 06            | Jan 07          | 48-901          | NOT                    | NOT                | Technical time   | ALFOSC +FIES  | Technical night      |
| Jan 07            | Jan 11          | 48-217          | H.J. Deeg              | ES                 | Spectroscopic characterization and radial velocities of Coro.. | FIES +ALFOSC  |                      |
| Jan 11            | Jan 12          | 48-199          | Various                | Nordic             | Nordic service time  | ALFOSC +FIES  | Service              |
| Jan 12            | Jan 13          | 48-219          | J. I. Gonzalez         | ES                 | Follow-up of brown dwarfs and giant planets candidates from .. | FIES +ALFOSC  |                      |
| Jan 13            | Jan 14          | 48-901          | NOT                    | NOT                | Technical time   | ALFOSC? +FIES | Technical night      |
| Jan 14            | Jan 15          | 48-901          | NOT                    | NOT                | Technical time   | ALFOSC +FIES  | Technical night      |
| Jan 15            | Jan 16          | 48-901          | NOT                    | NOT                | Technical time   | ALFOSC + FIES | Technical night      |
| Jan 16            | Jan 17          | 48-012          | E. Kankare             | FI                 | Supernovae in dusty environments                               | NOTCAM        | Service              |
| Jan 17            | Jan 18          | 48-901          | NOT                    | NOT                | Technical time   | NOTCAM +FIES  | Technical night      |
| Jan 18            | Jan 24          | 48-034          | L. Buchhave            | DK                 | Follow-up of HATNet transiting exoplanet candidates with NOT.. | FIES +ALFOSC  | 2 whole; 4 half ni.. |
| Jan 18            | Jan 19          | 48-901          | NOT                    | NOT                | Technical time   | FIES +ALFOSC  | Technical; half ni.. |
| Jan 19            | Jan 20          | 48-901          | NOT                    | NOT                | Technical time   | FIES +ALFOSC  | Technical; half ni.. |
| Jan 22            | Jan 23          | 48-199          | Various                | Nordic             | Nordic service time  | FIES +ALFOSC  | Service; half night  |
| Jan 23            | Jan 24          | 48-031          | J. Andersen            | DK                 | The origin of carbon-enriched stars in the early Galaxy        | FIES +ALFOSC  | Service; half night  |

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|-------------------|-----------------|-----------------|------------------------|--------------------|---|--------------|----------------------|
| Jan 24            | Jan 27          | 48-017          | P. Donati              | IT                 | Old open clusters as tracers of the Galactic disk               | FIES +ALFOSC |                      |
| Jan 27            | Jan 30          | 48-802          | NBI                    | DK                 | NBI ALFOSC GT   | ALFOSC       |                      |
| Jan 30            | Feb 02          | 48-301          | Enric Palle Bago       | ES                 | Testing the potential of transmission spectroscopy with NOT     | ALFOSC +FIES |                      |
| Feb 02            | Feb 03          | 48-299          | CAT                    | ES                 | CAT service time.   | ALFOSC       | CAT service          |
| Feb 03            | Feb 04          | 48-199          | Various                | Nordic             | Nordic service time   | ALFOSC +FIES | Service              |
| Feb 04            | Feb 09          | 48-025          | A. Finoguenov          | FI                 | Nordic Spectroscopy to COntstrain Dark Energy with X-ray clus.. | ALFOSC       |                      |
| Feb 09            | Feb 10          | 48-199          | Various                | Nordic             | Nordic service time   | ALFOSC +FIES | Service              |
| Feb 10            | Feb 11          | 48-901          | NOT                    | NOT                | Technical time  | ALFOSC +FIES | Technical night      |
| Feb 11            | Feb 12          | 48-901          | NOT                    | NOT                | Technical time  | ALFOSC +FIES | Technical night      |
| Feb 12            | Feb 13          | 48-012          | E. Kankare             | FI                 | Supernovae in dusty environments                                | NOTCAM       | Service              |
| Feb 13            | Feb 14          | 48-008          | J. Leon-Tavares        | FI                 | Gamma-ray Narrow-line Seyfert 1s: powerful jets in spirals?     | NOTCAM       |                      |
| Feb 14            | Feb 15          | 48-008          | J. Leon-Tavares        | FI                 | Gamma-ray Narrow-line Seyfert 1s: powerful jets in spirals?     | NOTCAM +FIES | Half night           |
| Feb 14            | Feb 15          | 48-199          | Various                | Nordic             | Nordic service time   | NOTCAM +FIES | Service; half night  |
| Feb 15            | Feb 16          | 48-219          | J. I. Gonzalez         | ES                 | Follow-up of brown dwarfs and giant planets candidates from ..  | FIES +ALFOSC |                      |
| Feb 16            | Feb 17          | 48-299          | CAT                    | ES                 | CAT service time.   | ALFOSC       | CAT service          |
| Feb 17            | Feb 19          | 48-301          | Enric Palle Bago       | ES                 | Testing the potential of transmission spectroscopy with NOT     | ALFOSC +FIES |                      |
| Feb 19            | Feb 20          | 48-901          | NOT                    | NOT                | Technical time  | ALFOSC +FIES | Technical night      |
| Feb 20            | Feb 21          | 48-199          | Various                | Nordic             | Nordic service time   | ALFOSC +FIES | Service              |
| Feb 21            | Feb 23          | 48-208          | J. Polednikova         | ES                 | Optical microvariability of type 2 quasars                      | ALFOSC       |                      |
| Feb 23            | Feb 24          | 48-031          | J. Andersen            | DK                 | The origin of carbon-enriched stars in the early Galaxy         | FIES +ALFOSC | Service; half night  |
| Feb 23            | Feb 24          | 48-199          | Various                | Nordic             | Nordic service time   | FIES +ALFOSC | Service; half night  |
| Feb 24            | Mar 03          | 48-022          | G. Ostlin              | SE                 | Lyman Alpha in the HST frontier fields                          | MOSCA        |                      |
| Mar 03            | Mar 04          | 48-009          | G. Battaglia           | IT                 | Decontaminating the ultra faint dwarf galaxies                  | MOSCA        |                      |
| Mar 04            | Mar 05          | 48-199          | Various                | Nordic             | Nordic service time   | ALFOSC +FIES | Service              |
| Mar 05            | Mar 06          | 48-199          | Various                | Nordic             | Nordic service time   | ALFOSC +FIES | Service              |
| Mar 06            | Mar 09          | 48-801          | IAA                    | ES                 | IAA ALFOSC GT   | ALFOSC       |                      |
| Mar 09            | Mar 10          | 48-901          | NOT                    | NOT                | Technical time  | ALFOSC       | Technical night      |
| Mar 10            | Mar 12          | 48-199          | Various                | Nordic             | Nordic service time   | ALFOSC +FIES | Service; half nights |
| Mar 10            | Mar 12          | 48-018          | S. Covino              | IT                 | Polarimetric monitoring of MAGIC blazars                        | ALFOSC +FIES | Half nights          |
| Mar 12            | Mar 13          | 48-901          | NOT                    | NOT                | Technical time  | ALFOSC       | Technical night      |
| Mar 13            | Mar 14          | 48-901          | NOT                    | NOT                | Technical time  | NOTCAM       | Technical night      |
| Mar 14            | Mar 15          | 48-012          | E. Kankare             | FI                 | Supernovae in dusty environments                                | NOTCAM       | Service              |
| Mar 15            | Mar 16          | 48-199          | Various                | Nordic             | Nordic service time   | NOTCAM +FIES | Service              |
| Mar 16            | Mar 17          | 48-901          | NOT                    | NOT                | Technical time  | NOTCAM       | Technical night      |
| Mar 17            | Mar 18          | 48-199          | Various                | Nordic             | Nordic service time   | NOTCAM +FIES | Service              |

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| Mar 18            | Mar 19          | 48-199          | Various                | Nordic             | Nordic service time  | ALFOSC +FIES | Service             |
| Mar 19            | Mar 20          | 48-901          | NOT                    | NOT                | Technical time   | ALFOSC +FIES | Technical night     |
| Mar 20            | Mar 21          | 48-299          | CAT                    | ES                 | CAT service time.  | FIES +ALFOSC | CAT service         |
| Mar 21            | Mar 22          | 48-199          | Various                | Nordic             | Nordic service time  | ALFOSC +FIES | Service             |
| Mar 22            | Mar 25          | 48-301          | Enric Palle Bago       | ES                 | Testing the potential of transmission spectroscopy with NOT    | ALFOSC +FIES |                     |
| Mar 25            | Mar 26          | 48-031          | J. Andersen            | DK                 | The origin of carbon-enriched stars in the early Galaxy        | FIES +ALFOSC | Service; half night |
| Mar 25            | Mar 26          | 48-199          | Various                | Nordic             | Nordic service time  | FIES +ALFOSC | Service; half night |
| Mar 26            | Mar 31          | 48-029          | H. Dahle               | NO                 | Arc statistics for the strongest gravitational lenses at 0.5.. | MOSCA        |                     |
| Mar 31            | Apr 01          | 48-901          | NOT                    | NOT                | Technical time   | MOSCA        | Technical night     |

### Monitoring and ToO Programs

| Proposal Number | Principal Investigator | Institute/ Country | Programme                                | Type | Instrument | Time Allocation                    | Nights | Comments                               |
|-----------------|------------------------|--------------------|--|------|------------|------------------------------------|--------|--|
| 48-001          | J. Sollerman           | SE                 | Core-collapse supernovae (ToO)           | ToO  | ALFOSC     | 15x1.5h + 12x5x1.5h                | 11.5   | Soft ToO; same or next night (later .. |
| 48-003          | H. Dahle               | NO                 | Time delay measurements in the unique .. | Mon  | ALFOSC     | 6x30min + 8x45min                  | 0.7    | Dates to be fixed in consultation wi.. |
| 48-004          | R. Amanullah           | SE                 | Perfecting Type Ia Supernovae as stand.. | ToO  | ALFOSC     | 6x1h + 20x1h + 15x5s0.5h           | 7      | Soft ToO; same or next night (later .. |
| 48-005          | P. Jakobsson           | IS                 | Building a Complete Sample of Swift Ga.. | ToO  | Any        | 9x(3h + 2h) + 3x(3+Nx2h)           | 10.0   | Override; immediate response; follow.. |
| 48-006          | L.O. Takalo            | FI                 | Blazar host galaxies during optically .. | ToO  | ALFOSC     | 2x4h                               | 1.0    | Soft ToO; same or next night.          |
| 48-010          | J. Lehtinen            | FI                 | Probing magnetically active regions th.. | Mon  | FIES       | 25x1h                              | 2.5    | Dates to be fixed in consultation wi.. |
| 48-014          | H. Lehto               | FI                 | Monitoring the ROSETTA target comet 67.. | Mon  | ALFOSC     | 4x1h                               | 4h     | Dates assigned in March 2014.          |
| 48-020          | P. D'Avanzo            | IT                 | Exploring the Universe with Gamma-Ray .. | ToO  | ALFOSC +.. | 3x2h40min + 2x2h                   | 1.2    | Hard trigger; override. NOTCam only .. |
| 48-021          | K. Nilsson             | FI                 | Multiwavelength campaign of the inner .. | Mon  | ALFOSC +.. | 6x0.5h + ~12x15m                   | 6h     | 0.5h/month when NOTCam mounted; Stan.. |
| 48-030          | T. Augusteijn          | NOT                | Monitoring the enigmatic binary V838 Mon | Mon  | ALFOSC     | 2x1h in Oct+Mar; Mon every 2 weeks | 0.4    | Dates to be fixed in consultation wi.. |
| 48-103          | S. Shore               | IT                 | ToO Observations of Bright Galactic No.. | ToO  | FIES       | 4x40min+ 2x70min                   | 2.0    | First within 1-2 nights; rest TBD to.. |