



ARYABHATTA RESEARCH INSTITUTE OF OBSERVATIONAL SCIENCES
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OBSERVING SCHEDULE FOR THE CYCLE 2017A

| Date | 104-cm ST | | | | 130-cm DFOT | | | |
|--------|-------------------------------|------------|-----------------------|--------------|----------------------------|------------|-------------------------|--------------|
| | Proposer (PI) | Prop. (ID) | Instrument and Filter | Remark | Proposer (PI) | Prop. (ID) | Instrument | Remark |
| 01 Jan | Piyali Saha | 28 | AIMPOL, B V R I | | Pankaj Sanwal | 2 | 2k CCD Andor, U B V R I | |
| 02 | Piyali Saha | 28 | AIMPOL, B V R I | | Pankaj Sanwal | 2 | 2k CCD Andor, U B V R I | |
| 03 | Saurabh | 40 | AIMPOL, B V R I | | Vineet Ojha | 6 | 2k CCD Andor, U B V R I | |
| 04 | Saurabh | 40 | AIMPOL, B V R I | | Vineet Ojha | 6 | 2k CCD Andor, U B V R I | |
| 05 | Mridweeka S, Pankaj S. | 21, 12 | 1k CCD TEK, U B V R I | Inst. Change | Jayanand Maurya | 10 | 2k CCD Andor, U B V R I | |
| 06 | Anjasha G., Raya D. | 20, 30 | 1k CCD TEK, U B V R I | ToO, TCO | Jayanand Maurya | 10 | 2k CCD Andor, U B V R I | |
| 07 | Mridweeka S, Pankaj S. | 21, 12 | 1k CCD TEK, U B V R I | ToO, TCO | Saurabh | 13 | 2k CCD Andor, U B V R I | |
| 08 Jan | Anjasha G., Raya D. | 20, 30 | 1k CCD TEK, U B V R I | ToO, TCO | Saurabh | 13 | 2k CCD Andor, U B V R I | |
| 09 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | Saurabh | 13 | 2k CCD Andor, U B V R I | |
| 10 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | ToO, TCO | 22,34 | 2k CCD Andor, U B V R I | ToO, TCO |
| 11 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Eng./ DT | Eng./ DT | 2k CCD Andor, U B V R I | Eng./ DT |
| 12 FM | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Eng./ DT | Eng./ DT | 2k CCD Andor, U B V R I | Eng./ DT |
| 13 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Eng./ DT | Eng./ DT | 2k CCD Andor, U B V R I | Eng./ DT |
| 14 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | ToO, TCO | 22,34 | 2k CCD Andor, U B V R I | ToO, TCO |
| 15 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | ToO, TCO | 22,34 | 2k CCD Andor, U B V R I | ToO, TCO |
| 16 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | Ramakant S. Yadav | 7 | 2k CCD Andor, U B V R I | |
| 17 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | Ramakant S. Yadav | 7 | 2k CCD Andor, U B V R I | |
| 18 Jan | Pankaj Sanwal | 2 | 1k CCD TEK, U B V R I | | Ashwini Pandey, Alok Gupta | 3, 4 | 2k CCD Andor, U B V R I | |
| 19 | Pankaj Sanwal | 2 | 1k CCD TEK, U B V R I | | Ashwini Pandey, Alok Gupta | 3, 4 | 2k CCD Andor, U B V R I | |
| 20 | Bharti Arora, Jeewan C Pandey | 32, 8 | AIMPOL, B V R I | Inst. Change | Mridweeka S, Pankaj S. | 21, 12 | 2k CCD Andor, U B V R I | ToO, TCO |
| 21 | Bharti Arora, Jeewan C Pandey | 32, 8 | AIMPOL, B V R I | | Anjasha G., Raya D. | 20, 30 | 2k CCD Andor, U B V R I | ToO, TCO |
| 22 | Ekta Sharma, Jeewan C Pandey | 35, 8 | AIMPOL, B V R I | | Mridweeka Singh | 23 | 2k CCD Andor, U B V R I | ToO, TCO |
| 23 | Ekta Sharma | 35 | AIMPOL, B V R I | | Amitesh Omar | 18 | EMCCD, U B V R I | Inst. Change |

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| 24 | Jeewan C Pandey, Biman J Medhi | 8, 1 | AIMPOL, B V R I | | Parveen Kumar, Hum Chand | 36, 16 | 2k CCD Andor, U B V R I | Inst. Change |
| 25 Jan | Biman J Medhi | 1 | AIMPOL, B V R I | | Parveen Kumar, Hum Chand | 36, 16 | 2k CCD Andor, U B V R I | |
| 26 | Piyali Saha | 28 | AIMPOL, B V R I | | Vineet Ojha, Priyanka Jalan | 6, 39 | 2k CCD Andor, U B V R I | |
| 27 NM | Piyali Saha | 28 | AIMPOL, B V R I | | Vineet Ojha, Priyanka Jalan | 6, 39 | 2k CCD Andor, U B V R I | |
| 28 | Mridweeka S, Pankaj S. | 21, 12 | 1k CCD TEK, U B V R I | Inst. Change | Saurabh | 14 | 2k CCD Andor, U B V R I | |
| 29 | Anjasha G., Raya D. | 20, 30 | 1k CCD TEK, U B V R I | | Saurabh | 14 | 2k CCD Andor, U B V R I | |
| 30 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Eng./ DT | | 2k CCD Andor, U B V R I | Eng./ DT |
| 31 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Kuntal Mishra | 38 | 2k CCD Andor, U B V R I | |
| 01 Feb | Biman J Medhi | 1 | AIMPOL, B V R I | Inst. Change | Yogesh Joshi | 9 | 2k CCD Andor, U B V R I | |
| 02 Feb | Biman J Medhi | 1 | AIMPOL, B V R I | | Yogesh Joshi | 9 | 2k CCD Andor, U B V R I | |
| 03 | Mridweeka S, Pankaj S. | 21, 12 | 1k CCD TEK, U B V R I | Inst. Change | Jayanand Maurya | 10 | 2k CCD Andor, U B V R I | |
| 04 | Anjasha G., Raya D. | 20, 30 | 1k CCD TEK, U B V R I | ToO, TCO | Jayanand Maurya | 10 | 2k CCD Andor, U B V R I | |
| 05 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | Rakesh Pandey | 31 | 2k CCD Andor, U B V R I | |
| 06 Feb | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | Rakesh Pandey | 31 | 2k CCD Andor, U B V R I | |
| 07 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | Saurabh | 13 | 2k CCD Andor, U B V R I | |
| 08 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Saurabh | 13 | 2k CCD Andor, U B V R I | |
| 09 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Saurabh | 13 | 2k CCD Andor, U B V R I | |
| 10 FM | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Eng./ DT | Eng./ DT | 2k CCD Andor, U B V R I | Eng./ DT |
| 11 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Eng./ DT | Eng./ DT | 2k CCD Andor, U B V R I | Eng./ DT |
| 12 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Eng./ DT | Eng./ DT | 2k CCD Andor, U B V R I | Eng./ DT |
| 13 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | ToO, TCO | 22,34 | 2k CCD Andor, U B V R I | ToO, TCO |
| 14 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | ToO, TCO | 22,34 | 2k CCD Andor, U B V R I | ToO, TCO |
| 15 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | Mridweeka S, Pankaj S. | 21, 12 | 2k CCD Andor, U B V R I | ToO, TCO |
| 16 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | Anjasha G., Raya D. | 20, 30 | 2k CCD Andor, U B V R I | ToO, TCO |
| 17 Feb | Mridweeka S, Pankaj S. | 21, 12 | 1k CCD TEK, U B V R I | | Saurabh | 26 | 2k CCD Andor, U B V R I | |
| 18 | Anjasha G., Raya D. | 20, 30 | 1k CCD TEK, U B V R I | | Saurabh | 26 | 2k CCD Andor, U B V R I | |
| 19 | Ashwini Pandey | 3 | 1k CCD TEK, U B V R I | | Priyanka Jalan | 39 | 2k CCD Andor, U B V R I | |
| 20 | Ashwini Pandey | 3 | 1k CCD TEK, U B V R I | | Hum Chand | 16 | 2k CCD Andor, U B V R I | |
| 21 Feb | Ashwini Pandey, Alok Gupta | 3, 4 | 1k CCD TEK, U B V R I | | Parveen Kumar, Hum Chand | 36, 16 | 2k CCD Andor, U B V R I | |
| 22 | ToO, TCO | 11 | AIMPOL, B V R I | Inst. Change | Parveen Kumar, Hum Chand | 36, 16 | 2k CCD Andor, U B V R I | |
| 23 | Piyali Saha | 28 | AIMPOL, B V R I | | T. Sinha | 37 | 2k CCD Andor, U B V R I | |
| 24 | Piyali Saha | 28 | AIMPOL, B V R I | | T. Sinha | 37 | 2k CCD Andor, U B V R I | |
| 25 | Maheswar G. | 41 | AIMPOL, B V R I | | Sapna Mishra, Raya D. | 19, 30 | 2k CCD Andor, U B V R I | |

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| 26 NM | Maheswar G. | 41 | AIMPOL, B V R I | | Sapna Mishra, Raya D. | 19, 30 | 2k CCD Andor, U B V R I | |
| 27 Feb | Ekta Sharma | 35 | AIMPOL, B V R I | | Parveen Kumar, Vineet Ojha | 29, 6 | 2k CCD Andor, U B V R I | |
| 28 | Ekta Sharma | 35 | AIMPOL, B V R I | | Parveen Kumar, Vineet Ojha | 29, 6 | 2k CCD Andor, U B V R I | |
| 01 Mar | Bharti Arora | 32 | AIMPOL, B V R I | | Kuntal Mishra, Anjasha G. | 38, 20 | 2k CCD Andor, U B V R I | ToO, TCO |
| 02 | Bharti Arora | 32 | AIMPOL, B V R I | | Kuntal Mishra, Anjasha G. | 38, 20 | 2k CCD Andor, U B V R I | ToO, TCO |
| 03 Mar | Mridweeka S, Pankaj S. | 21, 12 | 1k CCD TEK, U B V R I | Inst. Change | Priyanka Jalan | 39 | 2k CCD Andor, U B V R I | |
| 04 | Anjasha G., Raya D. | 20, 30 | 1k CCD TEK, U B V R I | ToO, TCO | Priyanka Jalan | 39 | 2k CCD Andor, U B V R I | |
| 05 | Pankaj Sanwal | 2 | 1k CCD TEK, U B V R I | | Mridweeka S, Pankaj S. | 21, 12 | 2k CCD Andor, U B V R I | ToO, TCO |
| 06 | Pankaj Sanwal | 2 | 1k CCD TEK, U B V R I | | Anjasha G., Raya D. | 20, 30 | 2k CCD Andor, U B V R I | ToO, TCO |
| 07 Mar | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | ToO, TCO | 22,34 | 2k CCD Andor, U B V R I | ToO, TCO |
| 08 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | ToO, TCO | 22,34 | 2k CCD Andor, U B V R I | ToO, TCO |
| 09 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | Saurabh | 13 | 2k CCD Andor, U B V R I | |
| 10 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Saurabh | 13 | 2k CCD Andor, U B V R I | |
| 11 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Saurabh | 13 | 2k CCD Andor, U B V R I | |
| 12 FM | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Eng./ DT | Eng./ DT | 2k CCD Andor, U B V R I | Eng./ DT |
| 13 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Eng./ DT | Eng./ DT | 2k CCD Andor, U B V R I | Eng./ DT |
| 14 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Eng./ DT | Eng./ DT | 2k CCD Andor, U B V R I | Eng./ DT |
| 15 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | Eng./ DT | Eng./ DT | Eng./ DT | 2k CCD Andor, U B V R I | Eng./ DT |
| 16 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | ToO, TCO | 22,34 | 2k CCD Andor, U B V R I | ToO, TCO |
| 17 | ToO, TCO | 22,34 | 1k CCD TEK, U B V R I | ToO, TCO | ToO, TCO | 22,34 | 2k CCD Andor, U B V R I | ToO, TCO |
| 18 Mar | Mridweeka S, Pankaj S. | 21, 12 | 1k CCD TEK, U B V R I | ToO, TCO | Rakesh Pandey, Saurabh | 31, 14 | 2k CCD Andor, U B V R I | |
| 19 | Anjasha G., Raya D. | 20, 30 | 1k CCD TEK, U B V R I | ToO, TCO | Rakesh Pandey, Saurabh | 31, 14 | 2k CCD Andor, U B V R I | |
| 20 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Sapna Mishra, Raya D. | 19, 30 | 2k CCD Andor, U B V R I | |
| 21 | Eng./ DT | | 1k CCD TEK, U B V R I | Eng./ DT | Sapna Mishra, Raya D. | 19, 30 | 2k CCD Andor, U B V R I | |
| 22 | S. B. Pandey | 27 | AIMPOL, B V R I | Inst. Change | T. Sinha | 37 | 2k CCD Andor, U B V R I | |
| 23 Mar | S. B. Pandey | 27 | AIMPOL, B V R I | | T. Sinha | 37 | 2k CCD Andor, U B V R I | |
| 24 | Piyali Saha | 28 | AIMPOL, B V R I | | Yogesh Joshi, Jayanand M. | 9, 10 | 2k CCD Andor, U B V R I | |
| 25 | Piyali Saha | 28 | AIMPOL, B V R I | | Yogesh Joshi, Jayanand M. | 9, 10 | 2k CCD Andor, U B V R I | |
| 26 | Ekta Sharma | 35 | AIMPOL, B V R I | | Mridweeka Singh | 23 | 2k CCD Andor, U B V R I | ToO, TCO |
| 27 NM | Ekta Sharma | 35 | AIMPOL, B V R I | | Mridweeka Singh | 23 | 2k CCD Andor, U B V R I | ToO, TCO |
| 28 | Maheswar G. | 41 | AIMPOL, B V R I | | Sapna Mishra, Raya D. | 19, 30 | 2k CCD Andor, U B V R I | |
| 29 | Alok Gupta | 4 | 1k CCD TEK, U B V R I | Inst. Change | Sapna Mishra, Raya D. | 19, 30 | 2k CCD Andor, U B V R I | |
| 30 | Ashwini Pandey | 3, 4 | 1k CCD TEK, U B V R I | | Parveen Kumar | 29 | 2k CCD Andor, U B V R I | |

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| 31 | Ashwini Pandey, Alok Gupta | 3, 4 | 1k CCD TEK, U B V R I | | Parveen Kumar | 29 | 2k CCD Andor, U B V R I |
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Notes for proposers:

- A. If the telescope is not ready for operation due to any technical problem no compensation will be made to the lost nights. The proposers may check the readiness of telescope from the website (<http://www.aries.res.in/~jtac>) or they may inquire with the telescope incharges (**130-cm DFOT : Saurabh Sharma; 104-cm ST : Biman J Medhi**).
- B. The proposers are requested to cooperate with the telescope in-charge in filling up the observing log and uploading the same on the webpage.
- C. Abbreviations : **TCO – Time-critical observations; ToO – Target of Opportunity; Eng. -- Engineering night; DT – Discretionary time, FM – Full Moon, NM- New Moon**
- D. The first priority on utilization of nights would be given to rectify the engineering and technical problems. For a functional telescope, the order of preference on both the telescopes would be TcO, DT, ToO and the regular proposals.
- E. In case of new student/observer, their respective guide/co-ordinator should be present during the observation till he/she becomes confident.
- F. Any information on the interchange of nights or cancellation of nights by the proposer must be informed to the respective telescope in-charges with copy to jtac@aries.res.in.
- G. For any unutilized nights, the proposer(s) from ARIES will be held responsible. SYLPZP+CMR10
- H. The ID (Identification number) of proposals are given below (The proposers who will be present during night are shown in boldface) :
1. **Biman J Medhi**, Motohide Tamura, "Optical and IR polarimetric study of open clusters".
 2. **Pankaj Sanwal**, Brijesh Kumar, "Broad-band photometric survey of zenith sky at Nainital"
 3. **Ashwani Pandey**, Alok C. Gupta, "Optical variability of TeV blazars".
 4. **Alok C. Gupta**, Ashwani Pandey, "Multiband Optical Flux and Color Variability of Blazars".
 6. **Vineet Ojha**, Hum Chand, "Intranight optical variability of Radio-detected narrow-line Seyfert 1 galaxies".
 7. Parijat Thakur, **R.K.S.Yadav**, IG Jiang, Devesh P, V.Kumar, Li-Hsin Su, Insvt. close-in Extra-solar Planets through Photometric Follow-up of their Transits".
 8. J. C. Pandey, A. Raj, G.C.Anupama, Ronald M., **A. Joshi, B. Arora**, "Polarimetric observations of Double Periodic Variables and the nature of the long photometric cycle"
 9. **Yogesh C.Joshi**, Elena Glushkova, Andrei Dambis, "Photometric characterization of 4 newly identified open clusters".
 10. **Jayanand Maurya, Yogesh C. Joshi**, "Search for the variable stars in the young and intermediate age star clusters".
 11. **Pankaj Sanwal**, Brijesh Kumar, Polarimetric observations of different subclasses of Core collapse supernovae".
 12. **Pankaj Sanwal**, Brijesh Kumar, Kuntal Misra, Raya Dastidar, Anjasha Gangopadhyay, Mridweeka Singh, Photometric Observations of different subclasses of Core collapse supernovae".
 13. **Saurabh**, Anil K Pandey, Ramkesh, Orarik Tasuya, Andrea Richichi, T. Sinha, "Milliarcsecond resolution of late-type stars by lunar occultations"
 14. **Saurabh**, Joe Philip Ninan, D K Ojha, T Sinha, "Photometric monitoring of peculiar FUors/EXors (Eruptive Young Stellar Objects)"
 16. Hum Chand, **Vineet Ojha**, "Probing narrow-line Seyfert 1 galaxies (NLS1) with and without significant variation"
 18. **A Omar**, M Pahari, P Gandhi, "ASTROSAT-DEVASTHAL coordinated observations of 4U0614+09 on 23JAN"
 19. **Sapna Mishra**, Hum Chand, Gopal Krishna, " Intranight monitoring of a representative sample of 6 blazar-like BAL quasars"
 20. **Anjasha G**, K Misra, Raya Dastidar, B Kumar, S B Pandey, P Sanwal, M Singh, "Time-Critical Observations of different subclasses of Core collapse supernovae"
 21. **Mridweeka Singh**, K Misra, Raya Dastidar, Anjasha G, Brijesh Kumar, S.B. Pandey, Pankaj Sanwal, "Investigating the Behaviour of Exploding Stars"
 22. **Anjasha G**, K Misra, R Dastidar, B Kumar, S B Pandey, P Sanwal, M Singh, "Studying The Diversity In Different Sub-Classes Of Core-Collapse Supernovae".
 23. **Mridweeka Singh**, K Misra, R Dastidar, Anjasha G, Brijesh Kumar, S.B. Pandey, Pankaj Sanwal, "Deep host galaxy template imaging of Supernovae fields"
 26. Harmeen kaur, Alok durgapal, **Saurabh sharma**, "Deep and wide- field CCD photometry of young star cluster"
 27. Brajesh Kumar, G.C. Anupama, **S.B. Pandey**, D.K. Sahu, Mridweeka S, K. Misra, Brijesh Kumar, Anjasha G., "Polarimetric follow-up of core-collapse supernovae"
 28. **Piyali Saha**, Ekta Sharma, Maheswar Gopinathan, "Magnetic Field Mapping of Lambda Ori Region"
 29. **Parveen Kumar**, Hum Chand, Gopal-Krishna, "INOV and long term variability of radio-quiet weak emission line quasars (RQWLQs)"
 30. **Raya Dastidar**, Brijesh Kumar, Anjasha G, Kuntal Misra, S B Pandey, Pankaj Sanwal, Mridweeka Singh, "Photometric followup of core collapse supernova"
 31. **Rakesh Pandey, Saurabh Sharma**, Tirthendu Sinha, A K Pandey, "Deep and wide field photometry of young open clusters".

32. **Bharti Arora, Arti Joshi**, "Polarimetric study of Wolf-Rayet stars"
34. **Raya Dastidar**, Brijesh Kumar, Anjasha G, Kuntal Misra, S B Pandey, Pankaj Sanwal, Mridweeka Singh, "ToO observation of supernovae"
35. **Ekta Sharma**, Neha Sharma, Piyali Saha, Maheswar Gopinathan, "Optical polarimetry towards starless cloud cores "
36. **Parveen Kumar**, K Hryniewicz , Hum Chand, Gopal-Krishna, Marek N, "Change in the spectral energy distribution (SED) of weak emission line quasars (WLQs)"
37. **T Sinha, A K Pandey**, Saurabh, R. Pandey, " Search for premain sequence variability in star forming regions".
38. Kuntal Misra, **Raya Dastidar**, Anjasha Gangopadhyay, Brijesh Kumar, S.B.Pandey, Mridweeka Singh, "Supernova Impostors from LBV Eruptions"
39. **Priyanka Jalan, Hum Chand**, Amitesh Omar, "Photometric reverberation mapping of low luminous Active Galactic Nuclei(AGNs)".
40. **Saurabh, A K Pandey**, T Sinha, Rakesh Pandey, "Broad-band polarimetric observations of star-forming region".
41. **Maheswar Gopinathan, Ekta Sharma**, Karthika, "Optical polarimetry towards LDN 1622 "