3.6m DEVASTHAL OPTICAL TELESCOPE OBSERVING SCHEDULE for cycle DOT-2023-C1

***(Notes for Proposers/PIs are given at the end)***

| Date | Moon (%) | Proposal ID / Program | | | | Instrument | Observers |
|---|---|---|---|---|---|---|---|
| | | Q1 | Q2 | Q3 | Q4 | | PI |
| 2023-FEB-01 | 80 | P11 | P3* | P47* | P49* | ADFOSC | Shivangi Pandey / Rahul Gupta / Naveen Dukiya / Jincen Jose |
| 2023-FEB-02 | 88 | P23* | P46 | P39* | DDT | ADFOSC | Shashi Bhushan Pandey / Bhavya Ailawadhi / Ankur Ghosh |
| 2023-FEB-03 | 93 | P47* | P8* | DDT | P2** | ADFOSC | Naveen Dukiya / Amit Kumar / Saurabh |
| 2023-FEB-04 | 97 | P24* | | P25* | | ADFOSC | Amar Aryan / Shashi Bhushan Pandey |
| 2023-FEB-05 | ○ | DDT | P9* | P33* | | ADFOSC | Brajesh Kumar / Shashi Bhushan Pandey |
| 2023-FEB-06 | 99 | P49* | P47* | P29* | DDT | ADFOSC | Jincen Jose / Naveen Dukiya / Suvendu Rakshit |
| 2023-FEB-07 | 98 | DDT | DDT | P20* | | ADFOSC | Jean Surdej |
| 2023-FEB-08 | 95 | P11 | P29* | TMT | TMT | ADFOSC | Shivangi Pandey / Suvendu Rakshit |
| 2023-FEB-09 | 91 | P46 | P3* | P38 | P38 | ADFOSC | Bhavya Ailawadhi / Rahul Gupta / Neeraj Singh Rawat |
| 2023-FEB-10 | 84 | P38 | P38 | DDT | P25* | ADFOSC | Neeraj Singh Rawat / Shashi Bhushan Pandey |
| 2023-FEB-11 | 76 | P47* | P23* | P50 | P50 | ADFOSC | Naveen Dukiya / Shashi Bhushan Pandey |
| 2023-FEB-12 | 67 | P28 | P28 | P49* | IVT | ADFOSC | Suvendu Rakshit / Jincen Jose / Suvendu Rakshit |
| 2023-FEB-13 | ◖ | P54 | P54 | P24* | P14* | ADFOSC | Jayanand Maurya / Amar Aryan / Kuntal Misra |
| 2023-FEB-14 | 47 | P54 | P54 | P8* | IVT | ADFOSC | Jayanand Maurya / Amit Kumar / Suvendu Rakshit |
| 2023-FEB-15 | 36 | P11 | P46 | P29* | P2** | ADFOSC | Shivangi Pandey / Bhavya Ailawadhi / Suvendu Rakshit / Saurabh |
| 2023-FEB-16 | 25 | P62 | P62 | P39* | P67* | ADFOSC | Mathieu Vander Donckt / Ankur Ghosh / Dimple |
| 2023-FEB-17 | 16 | P36 | P36 | P14* | P57* | ADFOSC | Khushboo Kunwar Rao / Kuntal Misra / Dimple |
| 2023-FEB-18 | 8 | P36 | P36 | P3* | P49* | ADFOSC | Khushboo Kunwar Rao / Rahul Gupta / Jincen Jose |
| 2023-FEB-19 | 3 | P54 | P54 | P47* | P29* | ADFOSC | Jayanand Maurya / Naveen Dukiya / Suvendu Rakshit |
| 2023-FEB-20 | ● | P54 | P54 | P46 | P58 | ADFOSC | Jayanand Maurya / Bhavya Ailawadhi / Sumana Nandi |
| 2023-FEB-21 | 1 | P36 | P36 | P9* | P25* | ADFOSC | Khushboo Kunwar Rao / Brajesh Kumar / Shashi Bhushan Pandey |
| 2023-FEB-22 | 4 | P36 | P36 | P62 | P62 | ADFOSC | Khushboo Kunwar Rao / Mathieu Vander Donckt |
| 2023-FEB-23 | 10 | P11 | P49* | P23* | P47* | ADFOSC | Shivangi Pandey / Jincen Jose / Shashi Bhushan Pandey / Naveen Dukiya |
| 2023-FEB-24 | 18 | P19 | P19 | P19 | P19 | ADFOSC | Jean Surdej |
| 2023-FEB-25 | 27 | P19 | P19 | P19 | P19 | ADFOSC | Jean Surdej |
| 2023-FEB-26 | 37 | P46 | P20* | P6 | P6 | ADFOSC | Bhavya Ailawadhi / Jean Surdej / Devendra Sahu |
| 2023-FEB-27 | ◗ | P29* | P24* | P14* | P2** | ADFOSC | Suvendu Rakshit / Amar Aryan / Kuntal Misra / Saurabh |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2023-FEB-28 | 57 | P3* | P47* | P9* | DDT | ADFOSC | Rahul Gupta / Naveen Dukiya / Brajesh Kumar |
| 2023-MAR-01 | 66 | P6 | P6 | P8* | P2** | ADFOSC | Devendra Sahu / Amit Kumar / Saurabh |
| 2023-MAR-02 | 75 | P19 | P19 | P19 | P20* | ADFOSC | Jean Surdej / Jean Surdej |
| 2023-MAR-03 | 82 | P46 | P25* | P39* | P2** | ADFOSC | Bhavya Ailawadhi / Shashi Bhushan Pandey / Ankur Ghosh / Saurabh |
| 2023-MAR-04 | 90 | P11 | P49* | | | ADFOSC | Shivangi Pandey / Jincen Jose |
| 2023-MAR-05 | 95 | DDT | | P23* | | ADFOSC | Shashi Bhushan Pandey |
| 2023-MAR-06 | 98 | | P24* | | DDT | ADFOSC | Amar Aryan |
| 2023-MAR-07 | ○ | | | | | ADFOSC | |
| 2023-MAR-08 | 99 | P47* | DDT | P14* | DDT | ADFOSC | Naveen Dukiya / Kuntal Misra |
| 2023-MAR-09 | 98 | P33* | TMT | TMT | P25* | ADFOSC | Shashi Bhushan Pandey |
| 2023-MAR-10 | 94 | DDT | P46 | P3* | | ADFOSC | Bhavya Ailawadhi / Rahul Gupta |
| 2023-MAR-11 | 89 | P11 | P49* | P8* | DDT | ADFOSC | Shivangi Pandey / Jincen Jose / Amit Kumar |
| 2023-MAR-12 | 81 | DDT | P28 | P28 | P47* | ADFOSC | Suvendu Rakshit / Naveen Dukiya |
| 2023-MAR-13 | 72 | P29* | DDT | | P14* | ADFOSC | Suvendu Rakshit/ Kuntal Misra |
| 2023-MAR-14 | 62 | DDT | | P23* | DDT | ADFOSC | Shashi Bhushan Pandey |
| 2023-MAR-15 | ◖ | DDT | P47* | DDT | P20* | ADFOSC | Naveen Dukiya / Jean Surdej |
| 2023-MAR-16 | 40 | P25* | P67* | DDT | DDT | ADFOSC | Shashi Bhushan Pandey / Dimple |
| 2023-MAR-17 | 29 | | DDT | P39* | | ADFOSC | Ankur Ghosh |
| 2023-MAR-18 | 19 | P11 | P49* | DDT | IVT | ADFOSC | Shivangi Pandey / Jincen Jose / Suvendu Rakshit |
| 2023-MAR-19 | 11 | P46 | P24* | DDT | P3* | ADFOSC | Bhavya Ailawadhi / Amar Aryan / Rahul Gupta |
| 2023-MAR-20 | 4 | P59 | P59 | P29* | P14* | ADFOSC | Jayanand Maurya / Suvendu Rakshit / Kuntal Misra |
| 2023-MAR-21 | ● | P59 | P59 | P25* | P57* | ADFOSC | Jayanand Maurya / Shashi Bhushan Pandey / Dimple |
| 2023-MAR-22 | 0 | P6 | P6 | P6 | P6 | ADFOSC | Devendra Sahu |
| 2023-MAR-23 | 2 | P47* | P29* | DDT | DDT | ADFOSC | Naveen Dukiya / Suvendu Rakshit |
| 2023-MAR-24 | 7 | DDT | DDT | P50 | P50 | ADFOSC | Naveen Dukiya |
| 2023-MAR-25 | 13 | P46 | P28 | P28 | DDT | ADFOSC | Bhavya Ailawadhi / Suvendu Rakshit |
| 2023-MAR-26 | 21 | P11 | P49* | P23* | P2** | ADFOSC | Shivangi Pandey / Jincen Jose / Shashi Bhushan Pandey / Saurabh |
| 2023-MAR-27 | 30 | ICT | ICT | ICT | ICT | IMAGER | DOT Team / Instrument Team |
| 2023-MAR-28 | 40 | ICT | ICT | ICT | ICT | IMAGER | DOT Team / Instrument Team |
| 2023-MAR-29 | ◗ | ICT | ICT | ICT | ICT | IMAGER | DOT Team / Instrument Team |
| 2023-MAR-30 | 59 | P34 | P34 | P3* | P39* | IMAGER | Aayushi Verma / Rahul Gupta / Ankur Ghosh |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2023-MAR-31 | 68 | P34 | P34 | P35 | P35 | IMAGER | Aayushi Verma / Firoza Sutaria |
| 2023-APR-01 | 76 | P8* | P9* | P47* | P20* | IMAGER | Amit Kumar / Brajesh Kumar / Naveen Dukiya / Jean Surdej |
| 2023-APR-02 | 84 | P25* | P46 | P39* | P61 | IMAGER | Shashi Bhushan Pandey / Bhavya Ailawadhi / Ankur Ghosh / Rahul Gupta |
| 2023-APR-03 | 90 | ICT | ICT | ICT | ICT | TANSPEC | DOT Team / Instrument Team |
| 2023-APR-04 | 95 | ICT | ICT | ICT | ICT | TANSPEC | DOT Team / Instrument Team |
| 2023-APR-05 | 99 | ICT | ICT | ICT | ICT | TANSPEC | DOT Team / Instrument Team |
| 2023-APR-06 | ○ | ICT | ICT | ICT | ICT | TANSPEC | DOT Team / Instrument Team |
| 2023-APR-07 | 99 | P64* | DDT | P2** | P11 | TANSPEC | Arpan Ghosh / Saurabh / Shivangi Pandey |
| 2023-APR-08 | 97 | DDT | P3* | P61 | P61 | TANSPEC | Rahul Gupta |
| 2023-APR-09 | 92 | DDT | P23* | P24* | DDT | TANSPEC | Shashi Bhushan Pandey / Amar Aryan |
| 2023-APR-10 | 85 | P16 | TMT | TMT | P25* | TANSPEC | Vineet Rawat / Shashi Bhushan Pandey |
| 2023-APR-11 | 76 | P16 | P61 | P8* | P2** | TANSPEC | Vineet Rawat / Rahul Gupta / Amit Kumar / Saurabh |
| 2023-APR-12 | 66 | P63 | P63 | P63 | P63 | TANSPEC | Koshvendra Singh |
| 2023-APR-13 | ◖ | P16 | P67* | DDT | P11 | TANSPEC | Vineet Rawat / Dimple / Shivangi Pandey |
| 2023-APR-14 | 43 | P16 | P25* | P61 | P61 | TANSPEC | Vineet Rawat / Shashi Bhushan Pandey / Rahul Gupta |
| 2023-APR-15 | 32 | P5 | P5 | P3* | P57* | TANSPEC | Jeewan Pandey / Rahul Gupta / Dimple |
| 2023-APR-16 | 22 | P18 | P18 | P18 | P18 | TANSPEC | Alok C. Gupta |
| 2023-APR-17 | 13 | P18 | P18 | P18 | P18 | TANSPEC | Alok C. Gupta |
| 2023-APR-18 | 6 | P16 | P37 | P37 | P25* | TANSPEC | Vineet Rawat / Yogesh Joshi / Shashi Bhushan Pandey |
| 2023-APR-19 | 2 | P16 | P24* | P23* | P11 | TANSPEC | Vineet Rawat / Amar Aryan / Shashi Bhushan Pandey / Shivangi Pandey |
| 2023-APR-20 | ● | P66 | P66 | P66 | P66 | TANSPEC | Vibhore Negi |
| 2023-APR-21 | 1 | P66 | P66 | P66 | P66 | TANSPEC | Vibhore Negi |
| 2023-APR-22 | 4 | P5 | P5 | P3* | P66 | TANSPEC | Jeewan Pandey / Rahul Gupta / Vibhore Negi |
| 2023-APR-23 | 9 | P63 | P63 | P63 | P63 | TANSPEC | Koshvendra Singh |
| 2023-APR-24 | 16 | P16 | P25* | P65 | P65 | TANSPEC | Vineet Rawat / Shashi Bhushan Pandey / Deepak |
| 2023-APR-25 | 24 | P16 | P61 | P65 | P65 | TANSPEC | Vineet Rawat / Rahul Gupta / Deepak |
| 2023-APR-26 | 33 | P16 | P64* | P39* | P11 | TANSPEC | Vineet Rawat / Arpan Ghosh / Ankur Ghosh / Shivangi Pandey |
| 2023-APR-27 | ◑ | P63 | P8* | P28 | P28 | TANSPEC | Koshvendra Singh / Amit Kumar / Suvendu Rakshit |
| 2023-APR-28 | 51 | P63 | P33* | P37 | P37 | TANSPEC | Koshvendra Singh / Shashi Bhushan Pandey / Yogesh Joshi |
| 2023-APR-29 | 61 | P63 | P23* | P13 | P13 | TANSPEC | Koshvendra Singh / Shashi Bhushan Pandey / Bharti Arora |
| 2023-APR-30 | 70 | P63 | P25* | P13 | P13 | TANSPEC | Koshvendra Singh / Shashi Bhushan Pandey / Bharti Arora |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2023-MAY-01 | 78 | P63 | P24* | P65 | P65 | TANSPEC | Koshvendra Singh / Amar Aryan / Deepak |
| 2023-MAY-02 | 86 | P63 | P3* | P65 | P65 | TANSPEC | Koshvendra Singh / Rahul Gupta / Deepak |
| 2023-MAY-03 | 92 | P63 | P25* | P39* | P11 | TANSPEC | Koshvendra Singh / Shashi Bhushan Pandey / Ankur Ghosh / Shivangi Pandey |
| 2023-MAY-04 | 97 | P63 | P24* | P17 | P17 | TANSPEC | Koshvendra Singh / Amar Aryan / Tirthendu Sinha |
| 2023-MAY-05 | 99 | P63 | DDT | DDT | DDT | TANSPEC | Koshvendra Singh/ |
| 2023-MAY-06 | 99 | P63 | DDT | P17 | P17 | TANSPEC | Koshvendra Singh / Tirthendu Sinha |
| 2023-MAY-07 | 98 | TMT | TMT | P25* | DDT | TANSPEC | Shashi Bhushan Pandey |
| 2023-MAY-08 | 94 | DDT | P64* | P17 | P17 | TANSPEC | Arpan Ghosh / Tirthendu Sinha |
| 2023-MAY-09 | 87 | P31 | P31 | P3* | P11 | TANSPEC | Diya Ram / Rahul Gupta / Shivangi Pandey |
| 2023-MAY-10 | 78 | P31 | P31 | P17 | P17 | TANSPEC | Diya Ram / Tirthendu Sinha |
| 2023-MAY-11 | 68 | DDT | P8* | P41 | P41 | TANSPEC | Amit Kumar / Saurabh |
| 2023-MAY-12 | ◖ | P23* | P61 | P17 | P17 | TANSPEC | Shashi Bhushan Pandey / Rahul Gupta / Tirthendu Sinha |
| 2023-MAY-13 | 46 | P61 | P24* | P65 | P65 | TANSPEC | Rahul Gupta / Amar Aryan / Deepak |
| 2023-MAY-14 | 34 | P25* | P67* | P17 | P17 | TANSPEC | Shashi Bhushan Pandey / Dimple / Tirthendu Sinha |
| 2023-MAY-15 | 24 | P37 | P37 | P32 | P32 | TANSPEC | Yogesh Joshi / Subhajit Kar |
| 2023-MAY-16 | 15 | P7 | P39* | P32 | P11 | TANSPEC | Rajib Kumbhakar / Ankur Ghosh / Subhajit Kar / Shivangi Pandey |
| 2023-MAY-17 | 8 | P56 | P56 | P17 | P17 | TANSPEC | Bharat Kumar Yerra / Tirthendu Sinha |
| 2023-MAY-18 | 3 | P56 | P56 | P65 | P65 | TANSPEC | Bharat Kumar Yerra / Deepak |
| 2023-MAY-19 | ● | P56 | P3* | P17 | P17 | TANSPEC | Bharat Kumar Yerra / Rahul Gupta / Tirthendu Sinha |
| 2023-MAY-20 | 0 | P56 | P56 | P65 | P65 | TANSPEC | Bharat Kumar Yerra / Deepak |
| 2023-MAY-21 | 2 | P24* | P56 | P65 | P65 | TANSPEC | Amar Aryan / Bharat Kumar Yerra / Deepak |
| 2023-MAY-22 | 6 | P56 | P56 | P28 | P28 | TANSPEC | Bharat Kumar Yerra / Suvendu Rakshit |
| 2023-MAY-23 | 11 | P2** | P56 | P56 | P11 | TANSPEC | Saurabh / Bharat Kumar Yerra / Shivangi Pandey |
| 2023-MAY-24 | 18 | P56 | P56 | P1 | P1 | TANSPEC | Bharat Kumar Yerra / Tapas Baug |
| 2023-MAY-25 | 26 | P64* | P37 | P37 | P33* | TANSPEC | Arpan Ghosh / Yogesh Joshi / Shashi Bhushan Pandey |
| 2023-MAY-26 | 35 | P56 | P56 | P13 | P13 | TANSPEC | Bharat Kumar Yerra / Bharti Arora |
| 2023-MAY-27 | ◗ | P8* | P25* | P13 | P13 | TANSPEC | Amit Kumar / Shashi Bhushan Pandey / Bharti Arora |
| 2023-MAY-28 | 54 | DDT | DDT | P1 | P1 | TANSPEC | Tapas Baug |
| 2023-MAY-29 | 63 | DDT | P23* | P1 | P1 | TANSPEC | Shashi Bhushan Pandey / Tapas Baug |
| 2023-MAY-30 | 72 | P25* | P3* | P17 | P17 | TANSPEC | Shashi Bhushan Pandey / Rahul Gupta / Tirthendu Sinha |
| 2023-MAY-31 | 81 | P24* | P40 | P40 | P11 | TANSPEC | Amar Aryan / Rishi C / Shivangi Pandey |

ABBREVIATIONS :

DOT : Devasthal Optical Telescope
DDT : Directors Discretionary Time
ICT : Instrument Change Time
IVT : Instrument Verification Time
TMT : Telescope Maintenance Time

NOTES :

1. All the observations will be executed in the visitor mode and the PI of accepted proposals including ToO proposals, should ensure that either PI or co-I is present at Devasthal site for coordinating the observations. PI of accepted proposals may write to dot@aries.res.in for any observations related queries or requests. Latest update, including any unexpected technical issue, on the working of telescope and instruments will be put up on 3.6m DOT website (https://www.aries.res.in/facilities/astronomical-telescopes/360cm-telescope). TIRCAM2 is mounted on side-port1 and hence it is available all the time during the cycle.
2. Available time on Telescope for cycle 2023-DOT-C1 is given in **Annexure – 1**. Each night is divided into four quarters and accordingly, the accepted proposals and instruments are scheduled. The start time, end time, and duration for each night is given in **Annexure-1** and accordingly time intervals for each quarter can be computed.
3. List of accepted proposals (Regular/ToO) is given in **Annexure – 2**. The ToO proposals account for 132 quarters of equivalent time and their TENTATIVE allocation in the schedule is marked with P*, however, the PIs of these proposals may trigger any other quarter as per the ToO occurrence and coordinates. These ToO proposals are P3 (30 hrs) / Rahul Gupta; P8 (20 hrs) / Amit Kumar; P9 (9 hrs) / Brajesh Kumar; P14 (14 hrs) / Kuntal Misra; P20 (13 hrs) / Jean Surdej; P23 (25 hrs) / Shashi B Pandey; P24 (26 hrs) / Amar Aryan; P25 (39 hrs) / Shashi B Pandey; P29 (15 hrs) / Suvendu Rakshit; P33 (8 hrs) / Shashi B Pandey; P39 (16 hrs) / Ankur Ghosh; P47 (26 hrs) / Naveen Dukiya; P49 (20 hrs) / Jincen Jose; P57 (6 hrs) / Dimple; P64 (10 hrs) / Arpan Ghosh; P67 (10 hrs) / Dimple. The ToO PIs are requested to communicate to dot@aries.res.in, the trigger date and the hours utilised.
4. While executing the DTAC-approved proposals, the priority sequence would be TMT, ICT, IVT, P* (approved-ToO proposals), DDT (Compensation for A-grade, unexpected events, etc), TcO, and regular proposals. The Director's Discretionary Time (DDT) on the telescope is reserved in 44 quarter slots on several nights spread over the entire cycle and it will be utilised as per the DDT policy.
5. Observers are requested to fill an online observing log immediately after night observations. The log may contain proposal ID, sources observed, quality of night, difficulty faced, etc.
6. Proposal P2 (PI:Saurabh) is accepted as filler science proposal on TIRCAM2 Instrument and mostly for bright/bright-gray period. A tentative scheduling is done, though, these can be allocated dynamically. P2 will require 30-minutes of time per epoch per source.
7. There have not been any science requirements for a few nights and these are open to use if a demand is raised to Director, ARIES (directoraries@aries.res.in) with a copy to dot@aries.res.in. Currently, these are left unscheduled as white slots.

# Annexure – 1 : DOT-2023-C1 : Note on Telescope Time

| Category | Number of Nights | Remarks |
|---|---|---|
| Total time | 120 | Total Quarters = 480 ; Total Hours = 1053.6<br>Average hours per Night = 8.8 hours (= 1053.6 / 120)<br>FEB = 284.7 / 28 = 10.2 hours<br>MAR = 289.9 / 31 = 9.3 hours<br>APR = 250.5 / 30 = 8.3 hours<br>MAY = 228.5 / 31 = 7.4 hours<br>Dark (0 < moon < 25) : 9 + 9 + 10 + 10 = 38 nights<br>Gray (25 <= moon < 75) : 8 + 11 + 9 + 10 = 38 nights<br>Bright (75 <= moon < 100) : 11 + 11 + 11 + 10 = 43 nights |
| Observatory Time | 9 | Tentative break up is as follows :<br>>> TMT (Telescope Maintenance Time ) = .5 night x4 months (2 nights) gray/bright nights are ok.; WFS and Guider testing, monthly tracking and pointing, IQ optimization with WFS, seeing related tests<br>>> ICT (Instrument Change Time) : 7 nights (mostly in bright period)<br>ADFOSC to IMAGER : 3 nights (March'23) [ 1 day unmount of ADFOSC; half day mount of IMAGER; 1 night for set-up]<br>IMAGER to TANSPEC : 4 nights (April'23) [ 1 day : unmount of IMAGER; 2 days mount of TANSPEC on telescope; 1 night for set-up tests] |
| Science Time | 111 | Total time minus Observatory time |
| DDT | 11 | 10% of Science Time : 44 quarter nights |
| Guaranteed Time | 100 | Science time minus DDT<br>Indian : 60 nights; ARIES : 33 nights; Belgian : 7 nights |

# Annexure – 1 : DOT-2023-C1 : Note on Telescope Time

| FEBRUARY-2023 | | | | | MARCH-2023 | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Night** | **Moon Phase (%)** | **Start hh:mm** | **End hh:mm** | **Total hh:mm** | **Night** | **Moon Phase (%)** | **Start hh:mm** | **End hh:mm** | **Total hh:mm** |
| **01** | 80 | 19:10 | 05:38 | 10:28 | **01** | 66 | 19:29 | 05:17 | 09:47 |
| **02** | 88 | 19:11 | 05:38 | 10:26 | **02** | 75 | 19:30 | 05:16 | 09:45 |
| **03** | 93 | 19:12 | 05:37 | 10:25 | **03** | 82 | 19:30 | 05:15 | 09:44 |
| **04** | 97 | 19:12 | 05:37 | 10:24 | **04** | 90 | 19:31 | 05:13 | 09:42 |
| **05** | ○ | 19:13 | 05:36 | 10:23 | **05** | 95 | 19:32 | 05:12 | 09:40 |
| **06** | 99 | 19:14 | 05:36 | 10:21 | **06** | 98 | 19:32 | 05:11 | 09:39 |
| **07** | 98 | 19:14 | 05:35 | 10:20 | **07** | ○ | 19:33 | 05:10 | 09:37 |
| **08** | 95 | 19:15 | 05:34 | 10:19 | **08** | 99 | 19:33 | 05:09 | 09:35 |
| **09** | 91 | 19:16 | 05:34 | 10:17 | **09** | 98 | 19:34 | 05:08 | 09:33 |
| **10** | 84 | 19:16 | 05:33 | 10:16 | **10** | 94 | 19:35 | 05:07 | 09:32 |
| **11** | 76 | 19:17 | 05:32 | 10:15 | **11** | 89 | 19:35 | 05:06 | 09:30 |
| **12** | 67 | 19:18 | 05:32 | 10:13 | **12** | 81 | 19:36 | 05:04 | 09:28 |
| **13** | ◖ | 19:19 | 05:31 | 10:12 | **13** | 72 | 19:37 | 05:03 | 09:26 |
| **14** | 47 | 19:19 | 05:30 | 10:11 | **14** | 62 | 19:37 | 05:02 | 09:24 |
| **15** | 36 | 19:20 | 05:29 | 10:09 | **15** | ◖ | 19:38 | 05:01 | 09:22 |
| **16** | 25 | 19:21 | 05:29 | 10:08 | **16** | 40 | 19:39 | 05:00 | 09:21 |
| **17** | 16 | 19:21 | 05:28 | 10:06 | **17** | 29 | 19:39 | 04:58 | 09:19 |
| **18** | 8 | 19:22 | 05:27 | 10:05 | **18** | 19 | 19:40 | 04:57 | 09:17 |
| **19** | 3 | 19:23 | 05:26 | 10:03 | **19** | 11 | 19:41 | 04:56 | 09:15 |
| **20** | ● | 19:23 | 05:25 | 10:02 | **20** | 4 | 19:41 | 04:55 | 09:13 |
| **21** | 1 | 19:24 | 05:24 | 10:00 | **21** | ● | 19:42 | 04:53 | 09:11 |
| **22** | 4 | 19:25 | 05:24 | 09:58 | **22** | 0 | 19:43 | 04:52 | 09:09 |
| **23** | 10 | 19:25 | 05:23 | 09:57 | **23** | 2 | 19:43 | 04:51 | 09:07 |
| **24** | 18 | 19:26 | 05:22 | 09:55 | **24** | 7 | 19:44 | 04:50 | 09:05 |
| **25** | 27 | 19:26 | 05:21 | 09:54 | **25** | 13 | 19:45 | 04:48 | 09:03 |
| **26** | 37 | 19:27 | 05:20 | 09:52 | **26** | 21 | 19:45 | 04:47 | 09:01 |
| **27** | ◗ | 19:28 | 05:19 | 09:50 | **27** | 30 | 19:46 | 04:46 | 08:59 |
| **28** | 57 | 19:28 | 05:18 | 09:49 | **28** | 40 | 19:47 | 04:45 | 08:57 |
| | | | | | **29** | ◗ | 19:47 | 04:43 | 08:56 |
| | | | | | **30** | 59 | 19:48 | 04:42 | 08:54 |
| | | | | | **31** | 68 | 19:49 | 04:41 | 08:52 |
| **Total** | | | | **284:42** | **Total** | | | | **289:54** |

# Annexure – 1 : DOT-2023-C1 : Notes on Telescope Time

| APRIL - 2023 | | | | | MAY - 2023 | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Night** | **Moon Phase (%)** | **Start hh:mm** | **End hh:mm** | **Total hh:mm** | **Night** | **Moon Phase (%)** | **Start hh:mm** | **End hh:mm** | **Total hh:mm** |
| **01** | 76 | 19:49 | 04:39 | 08:50 | **01** | 78 | 20:13 | 04:02 | 07:48 |
| **02** | 84 | 19:50 | 04:38 | 08:48 | **02** | 86 | 20:14 | 04:01 | 07:46 |
| **03** | 90 | 19:51 | 04:37 | 08:45 | **03** | 92 | 20:15 | 04:00 | 07:44 |
| **04** | 95 | 19:52 | 04:35 | 08:43 | **04** | 97 | 20:16 | 03:59 | 07:43 |
| **05** | 99 | 19:52 | 04:34 | 08:41 | **05** | 99 | 20:17 | 03:58 | 07:41 |
| **06** | ○ | 19:53 | 04:33 | 08:39 | **06** | 99 | 20:18 | 03:57 | 07:39 |
| **07** | 99 | 19:54 | 04:32 | 08:37 | **07** | 98 | 20:19 | 03:56 | 07:37 |
| **08** | 97 | 19:54 | 04:30 | 08:35 | **08** | 94 | 20:19 | 03:55 | 07:35 |
| **09** | 92 | 19:55 | 04:29 | 08:33 | **09** | 87 | 20:20 | 03:54 | 07:33 |
| **10** | 85 | 19:56 | 04:28 | 08:31 | **10** | 78 | 20:21 | 03:53 | 07:31 |
| **11** | 76 | 19:57 | 04:26 | 08:29 | **11** | 68 | 20:22 | 03:52 | 07:29 |
| **12** | 66 | 19:57 | 04:25 | 08:27 | **12** | ◖ | 20:23 | 03:51 | 07:28 |
| **13** | ◖ | 19:58 | 04:24 | 08:25 | **13** | 46 | 20:24 | 03:50 | 07:26 |
| **14** | 43 | 19:59 | 04:23 | 08:23 | **14** | 34 | 20:25 | 03:49 | 07:24 |
| **15** | 32 | 20:00 | 04:21 | 08:21 | **15** | 24 | 20:26 | 03:48 | 07:22 |
| **16** | 22 | 20:01 | 04:20 | 08:19 | **16** | 15 | 20:26 | 03:48 | 07:22 |
| **17** | 13 | 20:01 | 04:19 | 08:17 | **17** | 8 | 20:27 | 03:47 | 07:20 |
| **18** | 6 | 20:02 | 04:18 | 08:15 | **18** | 3 | 20:28 | 03:46 | 07:18 |
| **19** | 2 | 20:03 | 04:16 | 08:13 | **19** | ● | 20:29 | 03:46 | 07:17 |
| **20** | ● | 20:04 | 04:15 | 08:11 | **20** | 0 | 20:30 | 03:45 | 07:15 |
| **21** | 1 | 20:05 | 04:14 | 08:09 | **21** | 2 | 20:31 | 03:44 | 07:13 |
| **22** | 4 | 20:06 | 04:13 | 08:07 | **22** | 6 | 20:32 | 03:43 | 07:11 |
| **23** | 9 | 20:06 | 04:11 | 08:05 | **23** | 11 | 20:32 | 03:43 | 07:11 |
| **24** | 16 | 20:07 | 04:10 | 08:03 | **24** | 18 | 20:33 | 03:42 | 07:09 |
| **25** | 24 | 20:08 | 04:09 | 08:00 | **25** | 26 | 20:34 | 03:41 | 07:07 |
| **26** | 33 | 20:09 | 04:08 | 07:58 | **26** | 35 | 20:35 | 03:41 | 07:06 |
| **27** | ◗ | 20:10 | 04:07 | 07:56 | **27** | ◗ | 20:36 | 03:36 | 07:00 |
| **28** | 51 | 20:11 | 04:06 | 07:54 | **28** | 54 | 20:36 | 03:36 | 07:00 |
| **29** | 61 | 20:11 | 04:04 | 07:52 | **29** | 63 | 20:37 | 03:37 | 07:00 |
| **30** | 70 | 20:12 | 04:03 | 07:50 | **30** | 72 | 20:38 | 03:39 | 07:01 |
| | | | | | **31** | 81 | 20:39 | 03:38 | 06:59 |
| **Total** | | | | **250:30** | **Total** | | | | **228:30** |

| ANNEXURE - 2 List of Accepted Proposals | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Proposal Code** | **PI** | **Category** | **Title** | **Proposal Type** | **Allocated time by DTAC** | **Scheduled Quarters** | **Dates scheduled** |
| **1** | **2** | **3** | 4 | **5** | **6** | **7** | **8** |
| DOT-2023-C1-P1 | Tapas Baug | indian | Study of accreting and outflowing gas in massive young stellar objects | Short Term | 16 hours | 6Q | May 24,28,29 |
| DOT-2023-C1-P2 | Saurabh Saurabh | aries | Detailed physical investigation of evolved giants at milli-arcsecond resolution two-bands simultaneous Lunar Occultation observations | Long Term (Ongoing) | 5 hours | 2Q | Feb 3,15,27; Mar 1,3,26; Apr 7,11; May 23 |
| DOT-2023-C1-P3 | RAHUL GUPTA | aries | 3.6m DOT late-time follow-up observations of bright long GRBs discovered jointly by Swift and Fermi | Thesis Project | 30 hours | 14Q | ToO |
| DOT-2023-C1-P5 | Jeewan Pandey | aries | Prominences and protoplanetesimals formation in white dwarf-main sequence binary | Short Term | 7 hours | 4Q | Apr 15, 22 |
| DOT-2023-C1-P6 | Devendra Sahu | indian | Late phase investigation of supernovae. | Long Term (Ongoing) | 20 hours | 8Q | Feb 26, Mar 1, 22 |
| DOT-2023-C1-P7 | Rajib Kumbhakar | indian | Understanding of Physical Parameters and Magnetic Activity of Young Very Low Mass Stars and Brown Dwarfs | Thesis Project | 4 hours | 1Q | May 16, |
| DOT-2023-C1-P8 | AMIT KUMAR | aries | Afterglow observations of GeV-TeV detected GRBs and associated transients. | Thesis Project | 20 hours | 9Q | ToO |
| DOT-2023-C1-P9 | Brajesh Kumar | aries | Investigating the observational properties of fast-evolving luminous transients | Short Term | 9 hours | 4Q | ToO |
| DOT-2023-C1-P11 | Shivangi Pandey | aries | Geometric distances to the super massive black hole in AGNs: Reverberation mapping Monitoring | Thesis Project | 40 hours | 17Q | Feb 1, 8, 15, 23; Mar 4, 11, 18, 26; Apr 7, 13, 19, 26; May 3, 9, 16, 23, 31 |
| DOT-2023-C1-P13 | Bharti Arora | belgian | Search for binary candidates among evolved massive stars through dust formation in their hot winds | Long Term (New) | 24 hours | 8Q | Apr 29, 30; May 26, 27 |
| DOT-2023-C1-P14 | Kuntal Misra | aries | ToO mode spectroscopic observations of extremely young supernovae from the ZTF and ATLAS | Long Term (Ongoing) | 14 hours | 6Q | ToO |
| DOT-2023-C1-P16 | Vineet Rawat | indian | Unlocking stellar content and evolutionary status of cluster-forming clumps with deep near-infrared observations. | Thesis Project | 20 hours | 9Q | Apr 10, 11, 13, 14, 18, 19, 24, 25, 26 |
| DOT-2023-C1-P17 | Tirthendu Sinha | indian | Understanding the accretion and outflows in low-mass young stellar objects | Short Term | 40 hours | 18Q | May 4, 6, 8, 10, 12, 14, 17, 19, 30 |
| DOT-2023-C1-P18 | Alok C. Gupta | aries | Optical and Infrared continuum reverberation mapping for NGC 4395 | Short Term | 2 nights | 8Q | Apr 16, 17 |
| DOT-2023-C1-P19 | Jean Surdej | belgian | Spectroscopic identification of new multiply imaged quasar candidates | Long Term (Ongoing) | 3 nights | 11Q | Feb 24, 25, Mar 2 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DOT-2023-C1-P20 | Jean Surdej | belgian | 3.6m DOT observations of Target of Opportunities identified with the 4m ILMT | Long Term (New) | 13 hours | 5Q | ToO |
| DOT-2023-C1-P23 | Shashi Bhushan Pandey | indian | Searching for electromagnetic counterparts to gravitational wave events | Long Term (New) | 25 hours | 11Q | ToO |
| DOT-2023-C1-P24 | Amar Aryan | aries | Initiating the Photometric and Spectroscopic Observations of Newly Discovered Supernovae | Thesis Project | 26 hours | 12Q | ToO |
| DOT-2023-C1-P25 | Shashi Bhushan Pandey | indian | Spectroscopic classification and intensive early-phase follow-up of infant transients discovered by GOTO | Long Term (New) | 39 hours | 18Q | ToO |
| DOT-2023-C1-P28 | SUVENDU RAKSHIT | aries | REMAP: An optical - infrared monitoring program at the DOT to constrain the torus size - luminosity relation in AGN | Long Term (Ongoing) | 20 hours | 10Q | Feb 12; Mar 12, 25; Apr 27; May 22 |
| DOT-2023-C1-P29 | SUVENDU RAKSHIT | aries | Tracking the spectral evolution of Tidal disruption events | Long Term (Ongoing) | 15 hours | 8Q | ToO |
| DOT-2023-C1-P31 | Diya Ram | indian | Magnetic Activity and Stellar Variability of M-dwarfs: Optical and NIR Spectroscopic Studies | Thesis Project | 10 hours | 4Q | May 9, 10 |
| DOT-2023-C1-P32 | Subhajit Kar | indian | Investigating small scale wind structures in Wolf Rayet stars | Thesis Project | 7 hours | 3Q | May 15, 16 |
| DOT-2023-C1-P33 | Shashi Bhushan Pandey | aries | GRB-SNe connections and their photometric/spectroscopic observations with the 3.6m DOT | Long Term (New) | 8 hours | 4Q | ToO |
| DOT-2023-C1-P34 | Aayushi Verma | aries | Photometric Study of Star Clusters | Thesis Project | 0.8 nights | 4Q | Mar 30, 31 |
| DOT-2023-C1-P35 | Firoza Sutaria | indian | Search for binary companions/optical counterparts around Millisecond pulsars. | Short Term | 0.5 nights | 2Q | Mar 31, |
| DOT-2023-C1-P36 | Khushboo Kunwar Rao | indian | Radial velocity monitoring of eclipsing binary blue straggler stars | Long Term (New) | 38 hours | 8Q | Feb 17, 18, 21, 22 |
| DOT-2023-C1-P37 | Yogesh Joshi | aries | Atmospheric study of sub-Jovian planets: NGTS-5b | Long Term (Ongoing) | 18 hours | 8Q | Apr 18, 28; May 15, 25 |
| DOT-2023-C1-P38 | Neeraj Singh Rawat | indian | Spectroscopic study of quiescent phases of novae. | Thesis Project | 1 nights | 4Q | Feb 9, 10 |
| DOT-2023-C1-P39 | Ankur Ghosh | aries | DOT follow-up observations of AstroSat CZTI detected GRBs | Thesis Project | 16 hours | 9Q | ToO |
| DOT-2023-C1-P40 | Rishi C | aries | Deep Near-Infrared Imaging and Spectroscopy of Young Stars in Bright-Rimmed cloud 44 | Short Term | 0.5 night | 2Q | May 31, |
| DOT-2023-C1-P41 | Saurabh Saurabh | aries | Near-Infrared spectroscopy of Young Stellar Objects associated with N98 PDR region | Short Term | .5 nights | 2Q | May 11, |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DOT-2023-C1-P46 | Bhavya Ailawadhi | aries | Deep nebular phase study of supernovae | Thesis Project | 25 hours | 10Q | Feb 2, 9, 15, 20, 26; Mar 3, 10, 19, 25; Apr 2 |
| DOT-2023-C1-P47 | Naveen Dukiya | aries | Populating the energy-time phase space of the mysterious gap transients and interacting supernovae | Thesis Project | 3 nights | 12Q | ToO |
| DOT-2023-C1-P49 | Jincen Jose | aries | Capturing the Changing-look Events in AGN | Long Term (New) | 20 hours | 9Q | ToO |
| DOT-2023-C1-P50 | Naveen Dukiya | aries | Deciphering the asymmetries of circumstellar medium associated with interacting supernovae | Thesis Project | 8 hours | 4Q | Feb 11; Mar 24 |
| DOT-2023-C1-P54 | Jayanand Maurya | indian | The comprehensive analysis of the extended Main Sequence Turn-Offs in the Galactic open clusters | Long Term (Ongoing) | 2 nights | 8Q | Feb 13, 14, 19, 20 |
| DOT-2023-C1-P56 | Bharat Kumar Yerra | indian | Survey of northern hydrogen deficient carbon star candidates using CO NIR spectra | Long Term (Ongoing) | 4 nights | 16Q | May 17-24, 26 |
| DOT-2023-C1-P57 | Dimple | aries | Revealing the true energetics of highly energetic LAT detected GRBs using 3.6m DOT | Thesis Project | 6 hours | 3Q | ToO |
| DOT-2023-C1-P58 | Sumana Nandi | indian | Investigation of the host spectra of a peculiar radio galaxy | Short Term | 3 hours | 1Q | Feb 20, |
| DOT-2023-C1-P59 | Jayanand Maurya | indian | Exploring the shape of the mass function towards sub-solar mass through young open clusters | Long Term (Ongoing) | 1 nights | 4Q | Mar 20, 21 |
| DOT-2023-C1-P61 | RAHUL GUPTA | aries | Photometric studies on the host galaxies of bright AstroSat GRBs using 3.6m DOT | Thesis Project | 21 hours | 10Q | May 12, 13; Apr 2, 8, 11, 14, 25 |
| DOT-2023-C1-P62 | Mathieu Vander Donckt | belgian | Spectroscopy and narrow-band photometry of comets of various origins | Short Term | 1 nights | 4Q | Feb 16, 22 |
| DOT-2023-C1-P63 | Koshvendra Singh | indian | Photometric (optical/NIR) and spectroscopic (optical/NIR) monitoring of FU Ors and EX Ors Eruptive Young Stellar Objects (MFES Program) | Thesis Project | 4 nights | 16Q | Apr 12, 23, 27, 28, 29, 30; May 1-6 |
| DOT-2023-C1-P64 | Arpan Ghosh | aries | Spectroscopic Confirmation of Gaia alerted YSO outbursts | Long Term (New) | 10 hours | 4Q | ToO |
| DOT-2023-C1-P65 | Deepak | aries | To understand the impact of He-core flash on giants' atmosphere and chemical composition | Long Term (New) | 36 hours | 16Q | Apr 24, 25; May 1, 2, 13, 18, 20, 21 |
| DOT-2023-C1-P66 | Vibhore Negi | aries | Census on the impact of AGNs in the growth of Dwarf Galaxies | Long Term (Ongoing) | 20 hours | 9Q | Apr 20, 21, 22 |
| DOT-2023-C1-P67 | Dimple | aries | Probing short Gamma Ray Burst progenitors using optical/NIR counterparts | Thesis Project | 10 hours | 4Q | ToO |