

3.6m DEVASTHAL OPTICAL TELESCOPE
Aryabhata Research Institute of Observational Sciences, Manora Peak, Nainital

OBSERVING SCHEDULE for cycle DOT-2021-C2

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

Date	Moon Phase (%)	Proposal ID / Program				Instrument	Proposer +/- Observer		
		Q1	Q2	Q3	Q4		REGULAR	Approved ToO	TRAINING
2021-OCT-01	34	TMT	TMT	TMT	TMT	IMAGER	DOT Team	Amit K	
2021-OCT-02	25	IVT	IVT	IVT	IVT	IMAGER	P54 : S. B. Pandey +	Amit K	
2021-OCT-03	16	P61	P61	P61	P61	IMAGER	Aayushi Verma	Amit K, Bhavya A.	
2021-OCT-04	9	P69	P22	P11	P11	IMAGER	Firoza S / KM+Bhavya A. / A. C. Gupta		
2021-OCT-05	4	P6	P66*	DDT*	P66*	IMAGER	Vineet Ojha / DKS + Brajesh K	Amar A.	
2021-OCT-06	●	ICT	ICT	ICT	ICT	TANSPEC	DOT Team		
2021-OCT-07	2	ICT	ICT	ICT	ICT	TANSPEC	DOT Team		
2021-OCT-08	7	ICT	ICT	ICT	ICT	TANSPEC	Saurabh / DOT Team		
2021-OCT-09	15	P59	IVT	IVT	IVT	TANSPEC	SM + Saurabh / P21 : Saurabh +		
2021-OCT-10	24	P12	P12	P36	P36	TIRCAM2	Y. C. Joshi		
2021-OCT-11	35	P59	IVT	IVT	IVT	TANSPEC	SM + Saurabh / P21 : Saurabh +		
2021-OCT-12	46	P59	IVT	IVT	DDT*	TANSPEC	SM + Saurabh / P21 : Saurabh +	Rahul G.	
2021-OCT-13	●	P59	DDT	DDT	DDT*	TANSPEC	SM + Saurabh	Rahul G.	
2021-OCT-14	68	IVT	IVT	IVT	IVT	TIRCAM2	P2 : D. K. Ojha + Saurabh		
2021-OCT-15	77	IVT	IVT	IVT	IVT	TIRCAM2	P2 : D. K. Ojha + Saurabh		
2021-OCT-16	85	P60	P60	DDT	DDT	TANSPEC	Arpan Ghosh	Dimple	
2021-OCT-17	92	P31	P31	P20*		TANSPEC	NKB + Rakesh Pandey	Dimple	
2021-OCT-18	96	P38	P20*	P45	P20*	TANSPEC	Bharti Arora / Neelam Panwar	Dimple	
2021-OCT-19	99	DDT				TANSPEC			
2021-OCT-20	○					TANSPEC			
2021-OCT-21	99	DDT				TANSPEC			
2021-OCT-22	99					TANSPEC			
2021-OCT-23	96	P60	P60	P50*		TANSPEC	Arpan Ghosh	Amar A	
2021-OCT-24	91	P16	P16	DDT		TANSPEC	SG + Arpan Ghosh	Amar A.	
2021-OCT-25	85	P30	P30			TANSPEC	S. B. Pandey	Amar A.	
2021-OCT-26	78	P81	P81	DDT*		TANSPEC	Tirthendu Sinha	Rahul G	
2021-OCT-27	70	P81	P81	P53	P53	TANSPEC	Tirthendu Sinha / Avrajit B. + PS	Rahul G.	
2021-OCT-28	60	P75	P75	P75	P75	TANSPEC	VR + Brajesh Kumar		Amit Ror
2021-OCT-29	●	P81	P81	TMT	TMT	TANSPEC	Tirthendu Sinha / DOT Team	Bhavya A.	
2021-OCT-30	41	P81	P81	P50*	DDT*	TANSPEC	Tirthendu Sinha		Mrinmoy S.
2021-OCT-31	31	P81	P81	DDT	DDT	TANSPEC	Tirthendu Sinha	Dimple	
2021-NOV-01	22	IVT	IVT	IVT	IVT	TANSPEC	P21 : Saurabh +		

2021-NOV-02	13	IVT	IVT	IVT	IVT	TANSPEC	P21 : Saurabh +		
2021-NOV-03	6	IVT	IVT	IVT	IVT	TANSPEC	P21 : Saurabh +		
2021-NOV-04	2	P63	P63	P60	P60	TANSPEC	RJ+ Vibhore Negi / Arpan Ghosh	Amar A.	
2021-NOV-05	●	P79	P79	DDT*	DDT	TIRCAM2	RB + Vibhore Negi	Amar A.	
2021-NOV-06	5	P8	P8	P56	P56	TANSPEC	Sindhu Pandey / Santosh J + Mrinmoy S.	Rahul G.	
2021-NOV-07	12	P55	P55	P44	P44	TANSPEC	Anohita Mallick / Shivangi P. + SR	Rahul G.	
2021-NOV-08	21	P47	P47	P56	DDT	TANSPEC	VR + Brajesh K / SJ + Mrinmoy S.		Naveen D.
2021-NOV-09	31	P14	P14	P14	P14	TANSPEC	SRA + Arpan Ghosh	Bhavya A.	
2021-NOV-10	42	P14	P14	P14	P14	TANSPEC	SRA + Arpan Ghosh		Mrinmoy S.
2021-NOV-11	●	P47	P47	DDT*	DDT	TANSPEC	VR + Brajesh K		Aayushi V.
2021-NOV-12	63	P8	P20*	P60	P60	TANSPEC	Sindhu Pandey / Arpan Ghosh	Dimple	
2021-NOV-13	73	P14	P14	P14	P14	TANSPEC	SRA + Arpan Ghosh	Dimple	
2021-NOV-14	81	P50*	DDT*			TANSPEC			
2021-NOV-15	88	P38		P20*		TANSPEC	Bharti Arora		
2021-NOV-16	94			P20*	P20*	TANSPEC			
2021-NOV-17	98	DDT				TANSPEC			
2021-NOV-18	99					TANSPEC			
2021-NOV-19	○	DDT				TANSPEC			
2021-NOV-20	99					TANSPEC			
2021-NOV-21	98					TANSPEC			
2021-NOV-22	95	P50*			P34	TANSPEC	V. + Kuntal M.		
2021-NOV-23	90	DDT	TMT	TMT	P34	TANSPEC	DOT Team / V. + Kuntal M.		
2021-NOV-24	84	P49	P49	P49	P49	TANSPEC	MN + Saurabh	Dimple	Devanand
2021-NOV-25	76	P49	P49	P49	P49	TANSPEC	MN + Saurabh	Dimple	
2021-NOV-26	67	DDT*	P57	P49	P49	TANSPEC	AB + Brajesh K / MN + Saurabh	Rahul G	
2021-NOV-27	●	DDT	P57	P10	P10	TANSPEC	AB + Brajesh K. / JCP + Nikita Rawat	Rahul G.	
2021-NOV-28	48	P39	P39	P39	DDT	TANSPEC	Neelam Panwar	Bhavya A.	
2021-NOV-29	37	P42	P42	P31	P31	TANSPEC	PKN + Avrajit B. / NKB + Rakesh Pandey	Bhavya A.	
2021-NOV-30	27	DDT	P42	P31	P31	TANSPEC	PKN + Avrajit B. / NKB + Rakesh Pandey	Dimple	
2021-DEC-01	18	P51	P51	P51	P51	TANSPEC	Sapna Mishra	Dimple	
2021-DEC-02	10	P47	P47	P47	P47	TANSPEC	VR + Brajesh Kumar	Ankur G.	Shubham K.
2021-DEC-03	4	DDT		P63	P63	TANSPEC	RJ+ Vibhore Negi	Ankur G.	Devanand
2021-DEC-04	●	DDT*	DDT	P63	P63	TANSPEC	RJ+ Vibhore Negi	Rahul G.	
2021-DEC-05	3	P79	P36	P36*	P79	TIRCAM2	Yogesh Joshi / RB + Vibhore Negi	Dimple	
2021-DEC-06	9	P47	P47	P47	P47	TANSPEC	VR + Brajesh Kumar	Bhavya	Amit Ror
2021-DEC-07	17	ICT	ICT	ICT	ICT	IMAGER	DOT Team		
2021-DEC-08	26	ICT	ICT	ICT	ICT	IMAGER	DOT Team		
2021-DEC-09	36	ICT	ICT	ICT	ICT	IMAGER	S.B. Pandey + / DOT Team		
2021-DEC-10	47	IVT	IVT	IVT	IVT	IMAGER	P54 : S. B. Pandey +		
2021-DEC 11	●	IVT	IVT	IVT	IVT	IMAGER	P54 : S. B. Pandey +		
2021-DEC-12	67	P22	P4	DDT*	DDT	IMAGER	KM + Bhavya A. / Brajesh K.		Shivangi P.

2021-DEC-13	76	P67	P67	P67	P67	IMAGER	PL + Mrinmoy S.		
2021-DEC-14	84	P67	P67	P67	P67	IMAGER	PL + Mrinmoy S.		
2021-DEC-15	90	P67	P67	P67	P67	IMAGER	PL + Mrinmoy S.		
2021-DEC-16	95	P50*	P4	DDT*	DDT	IMAGER	Brajesh K.		Amit Kumar
2021-DEC-17	98	ICT	ICT	ICT	ICT	ADFOSC	DOT Team		
2021-DEC-18	99	ICT	ICT	ICT	ICT	ADFOSC	DOT Team		
2021-DEC-19	○	ICT	ICT	ICT	ICT	ADFOSC	Amitesh O. + DOT Team		
2021-DEC-20	99		IVT	IVT		ADFOSC	P32 : Amitesh Omar +		
2021-DEC-21	98		IVT	IVT		ADFOSC	P32 : Amitesh Omar +		
2021-DEC-22	94	DDT*	P4	DDT*	DDT	ADFOSC	Brajesh K.		Naveen D.
2021-DEC-23	89	P50*			DDT*	ADFOSC			
2021-DEC-24	82	DDT				ADFOSC			
2021-DEC-25	73	DDT*	P4		DDT	ADFOSC	Brajesh K.	Bhavya A.	
2021-DEC-26	64	P48	P48	P48	P48	ADFOSC	Jayanand Maurya	Bhavya A.	
2021-DEC-27	●	DDT*	P40	DDT	DDT*	ADFOSC	PKN + Avrajit B.	Shivangi P	
2021-DEC-28	43	P60	P60	P27	P6	ADFOSC	Arpan Ghosh / PJ+Vibhore N / Vineet O.	Shivangi P.	
2021-DEC-29	32	DDT	P4	P6	P6	ADFOSC	Brajesh K. / Vineet O.		
2021-DEC-30	22	P66	DDT*	P34	P34	ADFOSC	DKS + Brajesh K. / V + Kuntal Misra		Naveen D
2021-DEC-31	13	P41	P41	P34	P34	ADFOSC	KM + Bhavya A. / V + Kuntal Misra		Naveen D.
2022-JAN-01	6	P63	P63	P63	P63	TANSPEC	Ravi Joshi + Vibhore Negi		
2022-JAN-02	2	P63	P63	P63	P63	TANSPEC	Ravi Joshi + Vibhore Negi		
2022-JAN-03	●	P63	P63	P63	P63	TANSPEC	Ravi Joshi + Vibhore Negi		
2022-JAN-04	6	P40	P4	P27	P17	TANSPEC	PKN/ Brajesh K. / PJ+Vibhore N / Amit K		
2022-JAN-05	13	P40	DDT*	P22	P24	TANSPEC	PKN / KM + Bhavya A. / Amit Kumar		Amit Ror
2022-JAN-06	21	P25	P25	P25	P25	TANSPEC	Avrajit B.	Amar A.	
2022-JAN-07	30	P10	P10	DDT*	DDT	TANSPEC	Jeewan CP	Amar A.	
2022-JAN-08	40	P50*	P4	P10	P10	TANSPEC	Jeewan CP		
2022-JAN-09	●	P60	P60	P43	P43	TANSPEC	Arpan Ghosh / <u>Suwendu Rakshit</u>	Bhavya A.	
2022-JAN-10	60	P20*	IVT	P22		TANSPEC	P32 : Amitesh Omar + / KM + Bhavya A.	Bhavya A.	
2022-JAN-11	69	P47	P47			TANSPEC	Vineet Rawat	Rahul G	
2022-JAN-12	77	P47	P4	P36	P36	TIRCAM2	Vineet Rawat/ Yogesh CJ + JM	Rahul G.	
2022-JAN-13	85	DDT*	P20*	P16	P16	TANSPEC	Supriyo Ghosh		
2022-JAN-14	91	P20*	DDT			TANSPEC			
2022-JAN-15	95	P50*	P4	TMT	TMT	TANSPEC	Brajesh K. / DOT Team		
2022-JAN-16	99		P36	P36		TIRCAM2	Yogesh CJ + JM		
2022-JAN-17	99	DDT				ADFOSC			
2022-JAN-18	○					ADFOSC			
2022-JAN-19	99					ADFOSC			
2022-JAN-20	97	P65	P65	P65	P50*	TIRCAM2	PC + Alexander Panchal		
2022-JAN-21	92	P65	P65	P65	DDT	TIRCAM2	PC + Alexander Panchal		
2022-JAN-22	86	P65	P65	P65		TIRCAM2	PC + Alexander Panchal		
2022-JAN-23	78	DDT*		P4	DDT*	ADFOSC	Brajesh K.	Amar A.	
2022-JAN-24	69	DDT				ADFOSC		Rahul G.	

2022-JAN-25	●	DDT*	P36*	P36	P36	TIRCAM2	Y. C. Joshi	Rahul G.	
2022-JAN-26	48	DDT*	P40	P22		ADFOSC	PKN + Avrajit B. / KM + Bhavya A.		
2022-JAN-27	37		DDT	P4	P50*	ADFOSC	Brajesh K		Amit Ror
2022-JAN-28	26			IVT	IVT	ADFOSC	P32 : Amitesh Omar +	Shivangi P.	
2022-JAN-29	16	DDT*		P10		TIRCAM2	JCP + Nikita R.	Shivangi P.	
2022-JAN-30	9		P66	P4		ADFOSC	DKS + Brajesh K. / Brajesh K.		Aayushi V.
2022-JAN-31	3	DDT		P41	P41	ADFOSC	KM + Bhavya A.		

ABBREVIATIONS :

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

NOTES :

- 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. The visiting investigator should follow the prevailing COVID guidelines for the state of Uttarakhand. 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>).
- Available time on Telescope for cycle 2021-DOT-C2 is given in **Annexure – 1**.
- List of accepted proposals is given in **Annexure – 2**.
- While executing the DTAC-approved proposals, the priority sequence would be TMT, ICT, IVT, DDT* (approved-ToO proposals), DDT (Compensation for A-grade, unexpected events, etc), TcO, and regular proposals.
- 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.
- TIRCAM2 is mounted on side-port1 and hence it is available all the time during the cycle.
- 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.
- Time on the telescope is reserved in 36 quarter slots on several nights spread over the entire cycle for Director's Discretionary Time (DDT) and it will be utilised as per the DDT policy. The accepted ToO proposals account for 28 quarters of equivalent time (allocation marked with DDT*) and these are P23 (8 hrs) / Ankur Ghosh; P28 (8 hrs) / Kuntal Misra; P37 (8 hrs) / Suvendu Rakshit; P43 (8 hrs) / Dimple; P46 (6 hrs) / Amar Aryan; P62 (10 hrs) / Kuntal Misra; P70 (5 hrs) / Brajesh Kumar; P71 (15 hrs) / Rahul Gupta; P77 (5 hrs) / Dimple.
- Proposals P20 (PI:Saurabh) and P50 (PI:Brijesh Kumar) are 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. P20 will require 30-minutes of time per epoch per source and P50 will require 1Q of time at two epochs separated by 7 days.

10. P66 on October 4 will use 30-minutes of observing time. One hour in Q3 will be unutilised by P36 on December 5. Start time for P36 on 25th Jan in Q2 will be 11PM.
11. 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.