

| PART 1 5 cm |

| CODE | EVN | TELESCOPES | CORR | TOT | /ST | DAY | UT-START | UT-STOP | COMMENTS |
|--------|---------------|--|---------|-------|------|--------|-------------------------|---------|---------------|
| N20M3 | Jb2 Wb1 Ef Mc | On85 T6 -- Tr Ys -- -- -- -- Ir Sr --(Km)-- -- -- -- | MER EVN | 4.14 | 0.35 | Eu 289 | 1200(15/10)-1500(15/10) | | 256Mbps/2Gbps |
| CL20M3 | Jb2 Wb1 Ef Mc | On85 T6 -- Tr Ys -- -- -- -- Ir Sr -- -- -- -- | EVN | 0.00 | 0.00 | Eu 289 | 1600(15/10)-2000(15/10) | | 5cm FS CAL |
| EB079 | Jb2 Wb1 Ef Mc | On85 -- -- Tr Ys -- -- -- -- Ir Sr --(Km)-- -- -- -- | MER EVN | 13.82 | 1.38 | Eu 290 | 1030(16/10)-2230(16/10) | | - |
| ED048A | Jb2 Wb1 Ef Mc | On85 T6 -- Tr Ys -- -- -- -- Ir Sr -- -- -- -- | EVN | 4.61 | 0.46 | Eu 291 | 1000(17/10)-1800(17/10) | | G85.41 |
| RSC07 | Jb2 Wb1 Ef Mc | On85 T6 -- Tr Ys -- -- -- -- Ir Sr -- -- -- -- | EVN | 36.86 | 3.69 | Eu 291 | 2000(17/10)-0000(18/10) | | - |
| ED048B | Jb2 Wb1 Ef Mc | On85 T6 -- Tr Ys -- -- -- -- Ir Sr -- -- -- -- | EVN | 4.61 | 0.46 | Eu 292 | 1000(18/10)-1800(18/10) | | Cep A |

| PART 2 3.6cm |

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|--------|------------------|--|-----|-------|------|--------|-------------------------|--|--------------|
| N20X2 | --- Wb1 Ef Mc Nt | On60 T6 Ur -- Ys Hh Sv Zc Bd Ir -- -- -- -- Wz -- -- -- -- | EVN | 9.68 | 0.69 | Eu 293 | 1200(19/10)-1500(19/10) | | 2 Gbps |
| CL20X3 | --- Wb1 Ef Mc Nt | On60 T6 Ur -- Ys Hh Sv Zc Bd Ir -- -- -- -- Wz -- -- -- -- | EVN | 0.00 | 0.00 | Eu 293 | 1600(19/10)-2000(19/10) | | 3.6cm FS CAL |
| EB074C | --- Wb1 Ef Mc Nt | On60 T6 Ur -- Ys Hh Sv Zc Bd Ir -- -- -- -- -- -- -- -- | EVN | 95.85 | 7.37 | Eu 293 | 2100(19/10)-0500(20/10) | | - |
| EB074D | --- Wb1 Ef Mc Nt | On60 T6 Ur -- Ys Hh Sv Zc Bd Ir -- -- -- -- -- -- -- -- | EVN | 95.85 | 7.37 | Eu 294 | 0600(20/10)-1400(20/10) | | - |
| EM143A | --- Wb1 Ef Mc Nt | On60 -- -- -- Ys Hh -- Zc -- Ir -- -- -- -- -- -- -- -- | EVN | 8.29 | 0.92 | Eu 294 | 1500(20/10)-1600(20/10) | | - |
| ED045E | --- Wb1 Ef Mc Nt | On60 -- -- -- Ys -- -- -- -- -- -- -- -- Wz -- -- -- -- | EVN | 1.21 | 0.17 | Eu 295 | 0245(21/10)-0415(21/10) | | - |
| ED045F | --- Wb1 Ef Mc Nt | On60 -- -- -- Ys -- -- -- -- -- -- -- -- Wz -- -- -- -- | EVN | 1.21 | 0.17 | Eu 296 | 0245(22/10)-0415(22/10) | | - |

| PART 3 1.3cm |

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|--------|---------------|--|---------|--------|-------|--------|-------------------------|--|--------------|
| N20K3 | Jb2 --- Ef Mc | On60 T6 Ur Tr Ys Hh Sv Zc Bd -- Sr Mh -- Kt Ky Ku -- -- -- -- | MER EVN | 23.51 | 1.38 | Eu 296 | 1200(22/10)-1500(22/10) | | 2 Gbps |
| EC071F | Jb2 --- Ef Mc | On60 T6 Ur Tr Ys Hh Sv Zc Bd -- Sr -- -- Kt Ky Ku -- -- -- -- | EVN | 176.95 | 11.06 | Eu 296 | 1600(22/10)-0400(23/10) | | group 1 |
| EC076 | Jb2 --- Ef Mc | On60 T6 Ur Tr Ys Hh Sv Zc Bd -- Sr Mh -- Kt Ky Ku -- Hb -- -- -- | MER EVN | 188.01 | 11.06 | Eu 297 | 0600(23/10)-0600(24/10) | | - |
| EC071G | Jb2 --- Ef Mc | On60 T6 Ur Tr Ys Hh Sv Zc Bd -- Sr -- -- Kt Ky Ku -- -- -- -- | EVN | 176.95 | 11.06 | Eu 298 | 1600(24/10)-0400(25/10) | | group 1 |
| CL20K3 | Jb2 --- Ef Mc | On60 T6 Ur Tr Ys Hh Sv Zc Bd -- Sr Mh -- Kt Ky Ku -- -- -- -- | EVN | 0.00 | 0.00 | Eu 299 | 0700(25/10)-1100(25/10) | | 1.3cm FS CAL |
| ES074D | Jb2 --- Ef Mc | On60 -- -- Tr Ys -- -- -- -- -- Sr Mh -- -- -- -- -- -- -- -- | EVN | 2.76 | 0.35 | Eu 299 | 1200(25/10)-0000(26/10) | | 4th epoch |
| EB074E | Jb2 --- Ef Mc | On60 T6 Ur Tr Ys Hh Sv Zc Bd -- Sr Mh -- Kt Ky Ku -- -- -- -- | EVN | 188.01 | 11.06 | Eu 300 | 0330(26/10)-1530(26/10) | | - |
| EB074F | Jb2 --- Ef Mc | On60 T6 Ur Tr Ys Hh Sv Zc Bd -- Sr Mh -- Kt Ky Ku -- -- -- -- | EVN | 188.01 | 11.06 | Eu 300 | 1830(26/10)-0630(27/10) | | - |
| GM077 | Jb2 --- Ef Mc | On60 T6 Ur Tr Ys -- Sv Zc Bd -- Sr Mh -- Kt Ky Ku -- -- -- -- | EVN | 139.16 | 5.53 | Eu 301 | 1330(27/10)-1330(28/10) | | - |
| | | | | | 5.07 | US 301 | 1430(27/10)-1230(28/10) | | VLBA |
| ES093A | Jb2 --- Ef Mc | On60 T6 Ur Tr Ys Hh Sv Zc Bd -- Sr Mh -- Kt Ky Ku -- -- -- -- | MER EVN | 132.71 | 7.37 | Eu 302 | 2030(28/10)-0430(29/10) | | - |

| PART 4 6 cm |

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|--------|---------------|---|---------|--------|------|--------|-------------------------|--|------------|
| N20C3 | Jb2 Wb1 Ef Mc | On85 T6 Ur Tr Ys Hh Sv Zc Bd Ir -- --(Km)-- -- -- -- | MER EVN | 10.37 | 0.69 | Eu 303 | 1100(29/10)-1400(29/10) | | 2 Gbps |
| EM143B | Jb2 Wb1 Ef Mc | On85 -- -- -- Ys Hh -- Zc -- -- -- -- -- -- -- -- | EVN | 7.37 | 0.92 | Eu 303 | 1430(29/10)-1530(29/10) | | - |
| EC071H | Jb2 Wb1 Ef Mc | On85 T6 Ur Tr Ys Hh Sv Zc Bd Ir -- -- -- -- -- -- -- -- | EVN | 64.51 | 4.61 | Eu 303 | 1730(29/10)-2230(29/10) | | group 1 |
| EY035A | Jb2 Wb1 Ef Mc | On85 T6 Ur Tr Ys -- Sv Zc Bd Ir -- --(Km)-- -- -- -- | EVN | 77.41 | 5.53 | Eu 303 | 2330(29/10)-0530(30/10) | | - |
| CL20C3 | Jb2 Wb1 Ef Mc | On85 T6 Ur Tr Ys Hh Sv Zc Bd Ir -- --(Km)-- -- -- -- | EVN | 0.00 | 0.00 | Eu 304 | 0700(30/10)-1100(30/10) | | 6cm FS CAL |
| EM144A | Jb2 Wb1 Ef Mc | On85 T6 Ur Tr Ys Hh Sv Zc Bd Ir -- -- -- -- -- -- -- -- | MER EVN | 103.22 | 7.37 | Eu 304 | 1230(30/10)-2030(30/10) | | 1st epoch |
| ES094 | Jb2 Wb1 Ef Mc | On85 T6 Ur Tr Ys -- Sv Zc Bd Ir -- --(Km)-- -- -- -- | EVN | 77.41 | 5.53 | Eu 304 | 2300(30/10)-0500(31/10) | | - |

| PART 5 18/21cm |

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|--------|------------------|--|---------|--------|-------|--------|-------------------------|--|-------------|
| N20L3 | Jb1 Wb1 Ef Mc Nt | On85 T6 Ur Tr -- Hh Sv Zc Bd Ir Sr -- -- -- -- -- -- -- -- | MER EVN | 10.37 | 0.69 | Eu 305 | 1100(31/10)-1400(31/10) | | 1 Gbps |
| EM142 | Jb1 Wb1 Ef Mc Nt | On85 T6 Ur Tr -- Hh Sv Zc Bd Ir Sr -- -- -- -- -- -- -- -- | MER EVN | 48.38 | 3.23 | Eu 305 | 1500(31/10)-2200(31/10) | | - |
| EY035B | Jb1 Wb1 Ef Mc Nt | On85 T6 Ur Tr -- Sv Zc Bd Ir Sr -- -- -- -- -- -- -- -- | MER EVN | 88.70 | 5.53 | Eu 305 | 2330(31/10)-1130(01/11) | | - |
| | | | | | 5.76 | Eu 306 | 0245(01/11)-0900(01/11) | | Ro70 |
| EM145 | Jb1 Wb1 Ef Mc Nt | On85 Tr -- -- -- -- -- -- -- -- -- -- -- -- -- -- | MER EVN | 32.26 | 4.61 | Eu 306 | 1230(01/11)-2230(01/11) | | - |
| EN007A | Jb1 Wb1 Ef Mc Nt | On85 T6 Ur Tr -- Hh Sv Zc Bd Ir Sr -- -- -- -- -- -- -- -- | MER EVN | 165.89 | 11.06 | Eu 307 | 0000(02/11)-0000(03/11) | | 1st epoch |
| ER047E | Jb1 Wb1 Ef Mc Nt | On85 T6 Ur Tr -- Hh Sv Zc Bd Ir Sr -- -- -- -- -- -- -- -- | MER EVN | 85.55 | 5.53 | Eu 308 | 0100(03/11)-1300(03/11) | | 5th epoch |
| | | | | | 2.61 | Ro 308 | 0500(03/11)-0750(03/11) | | Ro70 |
| CL20L3 | Jb1 Wb1 Ef Mc Nt | On85 T6 Ur Tr -- Hh Sv Zc Bd Ir Sr -- -- -- -- -- -- -- -- | EVN | 0.00 | 0.00 | Eu 308 | 1400(03/11)-1800(03/11) | | 18cm FS CAL |
| ES093B | Jb1 Wb1 Ef Mc Nt | On85 T6 Ur Tr -- Hh Sv Zc Bd Ir Sr -- -- -- -- -- -- -- -- | MER EVN | 55.29 | 3.69 | Eu 308 | 2000(03/11)-0400(04/11) | | - |
| EB081B | Jb2 Wb1 Ef Mc Nt | On85 T6 Ur Tr -- Hh Sv Zc Bd Ir Sr -- -- -- -- -- -- -- -- | EVN | 69.12 | 4.61 | Eu 309 | 0830(04/11)-1830(04/11) | | +Jb1: ep.2 |
| EB082 | Jb1 Wb1 Ef Mc Nt | On85 T6 Ur Tr -- Hh Sv Zc Bd Ir Sr -- -- -- -- -- -- -- -- | EVN | 103.68 | 6.91 | Eu 309 | 2300(04/11)-1400(05/11) | | - |

| CODES USED IN SCHEDULE TABLE |

DISKS (TB) = EVN MK5A disk allocation, in TBytes: TOT = total, /ST = per station

DAY = Project start day-of-year
 Eu = Time allocation in "Europe" (EVN + ...)
 US = Time allocation in USA (VLBA + ...)
 Ar = Time allocation at Arecibo
 GB = Time allocation at GBT
 Ro = Time allocation at Robledo

CORR = Correlator: eVN - SFXC software correlator at JIVE
 eEVN - realtime correlation with SFXC at JIVE
 Bonn - MPIFR/BKG DiFX software correlator in Bonn
 VLBA - DiFX software correlator in Socorro
 Swin - Swinburne DiFX software correlator
 ASC - Astro Space Centre correlator, Moscow

Project Code Suffix: A,B,.. etc indicates scheduling sequence for multi-segment projects or multiple scheduling attempts.

TELESCOPE CODES:
 Eb = Effelsberg Wb = Westerbork Jb1 = Jodrell(Lovell) Jb2 = Jodrell(Mk2) Mc = Medicina Km = Kunming
 Nt = Noto Tr = Torun On60 = Onsala(20m=60ft) On85 = Onsala(25m=85ft) Ur = Urumqi Ir = Irbene
 Sh = Sheshan Ys = Yebes-40m Hh = Hartebeesthoek Mh = Metsahovi Ro = Robledo Wn = Wettzell 13.2m
 Ar = Arecibo Cm = Cambridge MER = e-MERLIN Ny = Ny Alesund Wz = Wettzell Kt = KVN Tamna
 Ap = Algonquin Mr = Matera Go = Goldstone-70m DSS = DSN antenna Sm = Simiez Ky = KVN Yonsei
 Sv = Svetloe Bd = Badary Zc = Zelenchukskaya Vm = Mizusawa Vs = Ishigaki-jima Ku = KVN Ulsan
 Ym = Yamaguchi Wb1 = Westerbork single-antenna Sr = Sardinia
 vlba = VLBA RA = RadioAstron antenna T6 = Tianma (65m)

Telescope code in {} = participation is not yet confirmed or is optional
Telescope code in {} = participation only with subset of frequencies (e.g. WSRT X-band only of S/X)
Telescope code in [] = time allocated for only part of the time

| PROJECT INFORMATION |

| CODE | INVESTIGATOR | PROJECT | Mb/s | T/S | POL | COMMENTS |
|--------|--------------|-------------------|----------|-------|-----|-----------------------------|
| N20M3 | JIVE | 5cm NME | 256/2048 | 0.35 | L+R | 5cm NME + FTP-FT 256 Mbps |
| CL20M3 | Gunn | 5cm FS CAL | ---- | 0.00 | L+R | 5cm Amplitude Calibration |
| EB079 | Bartkiewicz | HMYSOs | 256 | 1.38 | L+R | - |
| ED048A | Durjasz | Methanol Masers | 128 | 0.46 | L+R | G85.41 |
| RSC07 | Cao | AT2019wey | 2048 | 3.69 | L+R | - |
| ED048B | Durjasz | Methanol Masers | 128 | 0.46 | L+R | Cep A |
| N20X2 | JIVE | 3.6cm NME | 2048 | 0.69 | L+R | 3.6cm NME + FTP-FT |
| CL20X3 | Gunn | 3.6cm FS CAL | ---- | 0.00 | L+R | 3.6cm Amplitude Calibration |
| EB074C | Bruni | Giant R. Galaxies | 2048 | 7.37 | L+R | - |
| EB074D | Bruni | Giant R. Galaxies | 2048 | 7.37 | L+R | - |
| EM143A | Mus | PKS1830-211 | 2048 | 0.92 | L+R | - |
| ED045E | Dirkx | InSight | 256 | 0.17 | R | - |
| ED045F | Dirkx | InSight | 256 | 0.17 | R | - |
| N20K3 | JIVE | 1.3cm NME | 2048 | 1.38 | L+R | 1.3cm NME + FTP-FT |
| EC071F | Casadio | Grav. Lenses | 2048 | 11.06 | L+R | group 1 |
| EC076 | Charlot | Antenna Positions | 1024 | 11.06 | R | - |
| EC071G | Casadio | Grav. Lenses | 2048 | 11.06 | L+R | group 1 |
| CL20K3 | Gunn | 1.3cm FS CAL | ---- | 0.00 | L+R | 1.3cm Amplitude Calibration |
| ES074D | Surcis | W75N(B) | 64 | 0.35 | L+R | 4th epoch |
| EB074E | Bruni | Giant R. Galaxies | 2048 | 11.06 | L+R | - |
| EB074F | Bruni | Giant R. Galaxies | 2048 | 11.06 | L+R | - |
| GM077 | Moscadelli | G092.69+3.08 | 512 | 5.53 | L+R | - |
| ES093A | Spingola | PSO J0309+27 | 2048 | 7.37 | L+R | - |
| N20C3 | JIVE | 6cm NME | 2048 | 0.69 | L+R | 6cm NME + FTP-FT |
| EM143B | Mus | PKS1830-211 | 2048 | 0.92 | L+R | - |
| EC071H | Casadio | Grav. Lenses | 2048 | 4.61 | L+R | group 1 |
| EY035A | Yang | RGG 9 | 2048 | 5.53 | L+R | - |
| CL20C3 | Gunn | 6cm FS CAL | ---- | 0.00 | L+R | 6cm Amplitude Calibration |
| EM144A | Motta | GRS1915+105 | 2048 | 7.37 | L+R | 1st epoch |
| ES094 | Shu | J1133+6701 | 2048 | 5.53 | L+R | - |
| N20L3 | JIVE | 18cm NME | 1024 | 0.69 | L+R | 18cm NME + FTP-FT |
| EM142 | Marcote | FRB190608 | 1024 | 3.23 | L+R | - |
| EY035B | Yang | RGG 9 | 1024 | 5.53 | L+R | - |
| EM145 | Muxlow | J1955+5131 | 1024 | 4.61 | L+R | - |
| EN007A | Nimmo | FRB Survey | 1024 | 11.06 | L+R | 1st epoch |
| ER047E | Radcliffe | EVN-COSMOS | 1024 | 5.53 | L+R | 5th epoch |
| CL20L3 | Gunn | 18cm FS CAL | ---- | 0.00 | L+R | 18cm Amplitude Calibration |
| ES093B | Spingola | PSO J0309+27 | 1024 | 3.69 | L+R | - |
| EB081B | Boven | Ross 867 | 1024 | 4.61 | L+R | + Jb2 + Dw; 2nd epoch |
| EB082 | Boven | M dwarfs | 1024 | 6.91 | L+R | - |

| NOTES FOR INVESTIGATORS |

DEADLINE for depositing schedules to JIVE is: * 24 September 2020 *

==> Observing schedules for projects together with RadioAstron will be made by the Mission.
Contact the RadioAstron scheduling team at ra_vex@asc.rssi.ru)

Investigators allocated e-VLBI observations within the session should contact Zsolt Paragi (zparagi@jive.eu). JIVE staff will make the e-VLBI observing schedule based on information supplied in the proposal and any further input you provide.

==> Please check your allocation of time, stations, disks and correlator,
and notify the EVN Scheduler, Alastair Gunn, immediately if there are problems:
=> alastair.gunn@manchester.ac.uk

* Use of MK5 disk recording *

* Disk recording will be used for all projects at all observatories. *
* The disk allocation (in T-Bytes) for EVN telescopes is calculated from the *
* project bit-rate (see PROJECT INFORMATION) assuming that data will be recorded *
* for no more than 100% of the time allocated on the schedule. Make sure that your *
* schedule does not require more than the disk allocation given on the schedule. *

* JIVE will shortly get in touch with the listed contact author with *
* information/tips about scheduling your observation(s) in this session. *

==> Inexperienced users should contact B. Campbell at JIVE as SOON AS POSSIBLE
for assistance in making their schedules. ==> campbell@jive.eu

* Restriction on source changes with JB Lovell Telescope (Jb1) *

* For engineering reasons the number of source changes permitted at telescope Jb1 is *
* limited to 12 per hour. For source phase-referencing experiments this restricts *
* target-reference source cycle times to 10 mins. *

| SCHEDULE VERSION UPDATES |

Version 1.0 First Public Version
Version 2.0 Removed Hh from N20M3 and CL20M3
Confirmed availability of DSS-63 (Ro70)
Confirmed availability of Wettzell (Wz)
Removed Arecibo (Ar) from experiments (unavailable)
Added Noto (Nt) to all 5cm and 6cm experiments
Version 3.0 Removed Ro70 from ES093B (unavailable)
Removed Noto (Nt) from all 5cm and 6cm experiments (technical failure)
Added short observation RSC07 on 17/10/20

Notes: Jb1 not available at 6cm this session
Arecibo not available this session

The current version of the EVN Block Schedule is kept at:
<http://old.evlbi.org/scheduling/EVNSchedule.txt>
A more compact PDF version with identical contents is kept at:
<http://www.evlbi.org/sites/evlbi.org/files/shared/EVNSchedule.pdf>