**TNOuka**

**Schedule from 2020-02-03 to 2020-02-17**

**(Total time = 0hr, technical loss = 0hr, weather loss = 0hr, Exotime = 0hr, cometime = 0hr, chilean time = 0hr)**

**Night starting on the 2020-02-03**

*Moon illumination: 65.0 %*

*Sunset - Sunrise: 18h03 / 07h26*

*Civil/Naut./Astro. twilights: 18h33-06h56 / 19h02-06h27 / 19h30-19h30*

*Start-end of night (Naut. twil.): 19h02 to 06h27*

*Night duration (Naut. twil.): 11.422 h*

**From 19h02 to 00h41 : Sp0714+3702**

Note: Prio\_target

SPECULOOS : 17.0 h of obs over 200.0 h

Jmag= 11.98, SpT= 7.5

RA = 07 14 3.919, DEC = 37 02 46.025, texp=70 , filt=I+z

**From 00h41 to 06h27 : Sp1037+3011**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.79, SpT= 6.1

RA = 10 37 28.742, DEC = 30 11 10.789, texp=65 , filt=I+z

**Night starting on the 2020-02-04**

*Moon illumination: 75.0 %*

*Sunset - Sunrise: 18h04 / 07h25*

*Civil/Naut./Astro. twilights: 18h34-06h56 / 19h03-06h27 / 19h31-19h31*

*Start-end of night (Naut. twil.): 19h03 to 06h27*

*Night duration (Naut. twil.): 11.4 h*

**From 19h03 to 00h41 : Sp0714+3702**

Note: Prio\_target

SPECULOOS : 17.0 h of obs over 200.0 h

Jmag= 11.98, SpT= 7.5

RA = 07 14 3.919, DEC = 37 02 46.025, texp=70 , filt=I+z

**From 00h41 to 06h27 : Sp1037+3011**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.79, SpT= 6.1

RA = 10 37 28.742, DEC = 30 11 10.789, texp=65 , filt=I+z

**Night starting on the 2020-02-05**

*Moon illumination: 83.0 %*

*Sunset - Sunrise: 18h05 / 07h24*

*Civil/Naut./Astro. twilights: 18h34-06h55 / 19h03-06h26 / 19h32-19h32*

*Start-end of night (Naut. twil.): 19h04 to 06h27*

*Night duration (Naut. twil.): 11.383 h*

**From 19h04 to 00h41 : Sp0516+5640**

Note: Prio\_target

SPECULOOS : 14.75 h of obs over 60.0 h

Jmag= 11.17, SpT= 6.0

RA = 05 16 53.594, DEC = 56 40 19.217, texp=40 , filt=I+z

**From 00h42 to 06h27 : Sp1037+3011**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.79, SpT= 6.1

RA = 10 37 28.742, DEC = 30 11 10.789, texp=65 , filt=I+z

**Night starting on the 2020-02-06**

*Moon illumination: 91.0 %*

*Sunset - Sunrise: 18h06 / 07h24*

*Civil/Naut./Astro. twilights: 18h35-06h54 / 19h04-06h26 / 19h33-19h33*

*Start-end of night (Naut. twil.): 19h05 to 06h26*

*Night duration (Naut. twil.): 11.35 h*

**From 19h05 to 00h41 : Sp0516+5640**

Note: Prio\_target

SPECULOOS : 14.75 h of obs over 60.0 h

Jmag= 11.17, SpT= 6.0

RA = 05 16 53.594, DEC = 56 40 19.217, texp=40 , filt=I+z

**From 00h42 to 06h26 : Sp1037+3011**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.79, SpT= 6.1

RA = 10 37 28.742, DEC = 30 11 10.789, texp=65 , filt=I+z

**Night starting on the 2020-02-07**

*Moon illumination: 96.0 %*

*Sunset - Sunrise: 18h07 / 07h23*

*Civil/Naut./Astro. twilights: 18h36-06h54 / 19h05-06h25 / 19h33-19h33*

*Start-end of night (Naut. twil.): 20h21 to 06h25*

*Night duration (Naut. twil.): 10.078 h*

**From 20h21 to 00h41 : Sp0557+1708**

Note: Prio\_target

SPECULOOS : 29.0 h of obs over 60.0 h

Jmag= 11.8, SpT= 6.0

RA = 05 57 19.130, DEC = 17 08 27.576, texp=65 , filt=I+z

**From 00h42 to 06h25 : Sp1037+3011**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.79, SpT= 6.1

RA = 10 37 28.742, DEC = 30 11 10.789, texp=65 , filt=I+z

**Night starting on the 2020-02-08**

*Moon illumination: 99.0 %*

*Sunset - Sunrise: 18h08 / 07h22*

*Civil/Naut./Astro. twilights: 18h37-06h53 / 19h06-06h24 / 19h34-19h34*

*Start-end of night (Naut. twil.): 21h03 to 06h25*

*Night duration (Naut. twil.): 9.367 h*

**From 21h03 to 23h06 : Sp0714+3702**

Note: Prio\_target

SPECULOOS : 17.0 h of obs over 200.0 h

Jmag= 11.98, SpT= 7.5

RA = 07 14 3.919, DEC = 37 02 46.025, texp=70 , filt=I+z

**From 23h48 to 06h25 : Sp1423+5146**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.88, SpT= 7.0

RA = 14 23 2.804, DEC = 51 46 30.522, texp=70 , filt=I+z

**Night starting on the 2020-02-09**

*Moon illumination: 100.0 %*

*Sunset - Sunrise: 18h09 / 07h21*

*Civil/Naut./Astro. twilights: 18h38-06h52 / 19h06-06h24 / 19h35-19h35*

*Start-end of night (Naut. twil.): 19h07 to 06h23*

*Night duration (Naut. twil.): 11.278 h*

**From 19h07 to 23h06 : Sp0714+3702**

Note: Prio\_target

SPECULOOS : 17.0 h of obs over 200.0 h

Jmag= 11.98, SpT= 7.5

RA = 07 14 3.919, DEC = 37 02 46.025, texp=70 , filt=I+z

**From 23h44 to 06h23 : Sp1423+5146**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.88, SpT= 7.0

RA = 14 23 2.804, DEC = 51 46 30.522, texp=70 , filt=I+z

**Night starting on the 2020-02-10**

*Moon illumination: 97.0 %*

*Sunset - Sunrise: 18h09 / 07h20*

*Civil/Naut./Astro. twilights: 18h39-06h51 / 19h07-06h23 / 19h36-19h36*

*Start-end of night (Naut. twil.): 19h19 to 06h23*

*Night duration (Naut. twil.): 11.061 h*

**From 19h19 to 23h06 : Sp0900+2150**

Note: Prio\_target

SPECULOOS : 31.15 h of obs over 200.0 h

Jmag= 9.44, SpT= 6.2

RA = 09 00 23.506, DEC = 21 50 4.898, texp=10 , filt=I+z

**From 23h40 to 06h23 : Sp1423+5146**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.88, SpT= 7.0

RA = 14 23 2.804, DEC = 51 46 30.522, texp=70 , filt=I+z

**Night starting on the 2020-02-11**

*Moon illumination: 92.0 %*

*Sunset - Sunrise: 18h10 / 07h20*

*Civil/Naut./Astro. twilights: 18h39-06h51 / 19h08-06h22 / 19h36-19h36*

*Start-end of night (Naut. twil.): 19h15 to 06h22*

*Night duration (Naut. twil.): 11.122 h*

**From 19h15 to 00h41 : Sp0900+2150**

Note: Prio\_target

SPECULOOS : 31.15 h of obs over 200.0 h

Jmag= 9.44, SpT= 6.2

RA = 09 00 23.506, DEC = 21 50 4.898, texp=10 , filt=I+z

**From 00h42 to 06h22 : Sp1037+3011**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.79, SpT= 6.1

RA = 10 37 28.742, DEC = 30 11 10.789, texp=65 , filt=I+z

**Night starting on the 2020-02-12**

*Moon illumination: 85.0 %*

*Sunset - Sunrise: 18h11 / 07h19*

*Civil/Naut./Astro. twilights: 18h40-06h50 / 19h09-06h21 / 19h37-19h37*

*Start-end of night (Naut. twil.): 19h11 to 06h22*

*Night duration (Naut. twil.): 11.178 h*

**From 19h11 to 00h41 : Sp0900+2150**

Note: Prio\_target

SPECULOOS : 31.15 h of obs over 200.0 h

Jmag= 9.44, SpT= 6.2

RA = 09 00 23.506, DEC = 21 50 4.898, texp=10 , filt=I+z

**From 00h42 to 06h22 : Sp1037+3011**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.79, SpT= 6.1

RA = 10 37 28.742, DEC = 30 11 10.789, texp=65 , filt=I+z

**Night starting on the 2020-02-13**

*Moon illumination: 75.0 %*

*Sunset - Sunrise: 18h12 / 07h18*

*Civil/Naut./Astro. twilights: 18h41-06h49 / 19h10-06h20 / 19h38-19h38*

*Start-end of night (Naut. twil.): 19h10 to 06h21*

*Night duration (Naut. twil.): 11.172 h*

**From 19h10 to 00h41 : Sp0900+2150**

Note: Prio\_target

SPECULOOS : 31.15 h of obs over 200.0 h

Jmag= 9.44, SpT= 6.2

RA = 09 00 23.506, DEC = 21 50 4.898, texp=10 , filt=I+z

**From 00h42 to 06h21 : Sp1037+3011**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.79, SpT= 6.1

RA = 10 37 28.742, DEC = 30 11 10.789, texp=65 , filt=I+z

**Night starting on the 2020-02-14**

*Moon illumination: 65.0 %*

*Sunset - Sunrise: 18h13 / 07h17*

*Civil/Naut./Astro. twilights: 18h42-06h48 / 19h10-06h20 / 19h39-19h39*

*Start-end of night (Naut. twil.): 19h11 to 06h20*

*Night duration (Naut. twil.): 11.156 h*

**From 19h11 to 00h41 : Sp0900+2150**

Note: Prio\_target

SPECULOOS : 31.15 h of obs over 200.0 h

Jmag= 9.44, SpT= 6.2

RA = 09 00 23.506, DEC = 21 50 4.898, texp=10 , filt=I+z

**From 00h42 to 06h20 : Sp1037+3011**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.79, SpT= 6.1

RA = 10 37 28.742, DEC = 30 11 10.789, texp=65 , filt=I+z

**Night starting on the 2020-02-15**

*Moon illumination: 53.0 %*

*Sunset - Sunrise: 18h14 / 07h16*

*Civil/Naut./Astro. twilights: 18h43-06h47 / 19h11-06h19 / 19h39-19h39*

*Start-end of night (Naut. twil.): 19h11 to 06h19*

*Night duration (Naut. twil.): 11.122 h*

**From 19h11 to 00h41 : Sp0900+2150**

Note: Prio\_target

SPECULOOS : 31.15 h of obs over 200.0 h

Jmag= 9.44, SpT= 6.2

RA = 09 00 23.506, DEC = 21 50 4.898, texp=10 , filt=I+z

**From 00h41 to 06h19 : Sp1037+3011**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.79, SpT= 6.1

RA = 10 37 28.742, DEC = 30 11 10.789, texp=65 , filt=I+z

**Night starting on the 2020-02-16**

*Moon illumination: 43.0 %*

*Sunset - Sunrise: 18h15 / 07h15*

*Civil/Naut./Astro. twilights: 18h43-06h46 / 19h12-06h18 / 19h40-19h40*

*Start-end of night (Naut. twil.): 19h13 to 06h18*

*Night duration (Naut. twil.): 11.094 h*

**From 19h13 to 23h06 : Sp0900+2150**

Note: Prio\_target

SPECULOOS : 31.15 h of obs over 200.0 h

Jmag= 9.44, SpT= 6.2

RA = 09 00 23.506, DEC = 21 50 4.898, texp=10 , filt=I+z

**From 23h16 to 06h18 : Sp1423+5146**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.88, SpT= 7.0

RA = 14 23 2.804, DEC = 51 46 30.522, texp=70 , filt=I+z