**TN\_Oukaimeden**

**Schedule from 2020-06-17 to 2020-07-01**

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

*Manu*

**Night starting on the 2020-06-17**

*Moon illumination: 13.0 %*

*Sunset - Sunrise: 19h33 / 05h31*

*Civil/Naut./Astro. twilights: 20h05-04h59 / 20h39-04h25 / 21h16-03h48*

*Start-end of night (Naut. twil.): 20h40 to 04h25*

*Night duration (Naut. twil.): 7.76 h*

**From 20h40 to 00h32 : Sp1757+7042**

Note: Prio\_target

SPECULOOS : 44.0 h of obs over 200.0 h

Jmag= 11.45, SpT= 5.3

RA = 17 57 15.418, DEC = 70 42 1.117, texp=38 , filt=I+z

**From 00h33 to 02h05 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 77.5 h of obs over 200.0 h

Jmag= 10.67, SpT= 6.1

RA = 20 00 5.763, DEC = 30 57 32.101, filt=I+z , texp=20

**From 02h05 to 04h25 : Trappist-1d**

Note: Prio\_target

SPECULOOS : 1000.0 h of obs over 200.0 h

Jmag= 11.35, SpT= 7.4

RA = 23 06 29.372, DEC = -5 02 29.032, filt=I+z , texp=23

**Night starting on the 2020-06-18**

*Moon illumination: 7.0 %*

*Sunset - Sunrise: 19h33 / 05h31*

*Civil/Naut./Astro. twilights: 20h05-04h59 / 20h40-04h25 / 21h16-03h48*

*Start-end of night (Naut. twil.): 20h40 to 04h25*

*Night duration (Naut. twil.): 7.758 h*

**From 20h40 to 00h32 : Sp1757+7042**

Note: Prio\_target

SPECULOOS : 44.0 h of obs over 200.0 h

Jmag= 11.45, SpT= 5.3

RA = 17 57 15.418, DEC = 70 42 1.117, texp=38 , filt=I+z

**From 00h33 to 04h25 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 77.5 h of obs over 200.0 h

Jmag= 10.67, SpT= 6.1

RA = 20 00 5.763, DEC = 30 57 32.101, filt=I+z , texp=20

**Night starting on the 2020-06-19**

*Moon illumination: 3.0 %*

*Sunset - Sunrise: 19h33 / 05h32*

*Civil/Naut./Astro. twilights: 20h06-04h59 / 20h40-04h25 / 21h17-03h48*

*Start-end of night (Naut. twil.): 20h40 to 04h26*

*Night duration (Naut. twil.): 7.756 h*

**From 20h40 to 00h33 : Sp1757+7042**

Note: Prio\_target

SPECULOOS : 44.0 h of obs over 200.0 h

Jmag= 11.45, SpT= 5.3

RA = 17 57 15.418, DEC = 70 42 1.117, texp=38 , filt=I+z

**From 00h33 to 04h26 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 77.5 h of obs over 200.0 h

Jmag= 10.67, SpT= 6.1

RA = 20 00 5.763, DEC = 30 57 32.101, filt=I+z , texp=20

**Night starting on the 2020-06-20**

*Moon illumination: 0.0 %*

*Sunset - Sunrise: 19h34 / 05h32*

*Civil/Naut./Astro. twilights: 20h06-05h00 / 20h40-04h25 / 21h17-03h49*

*Start-end of night (Naut. twil.): 20h40 to 04h26*

*Night duration (Naut. twil.): 7.756 h*

**From 20h40 to 00h33 : Sp1845+3853**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 12.21, SpT= 7.1

RA = 18 45 18.940, DEC = 38 53 24.622, filt=I+z , texp=86

**From 00h33 to 04h26 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 77.5 h of obs over 200.0 h

Jmag= 10.67, SpT= 6.1

RA = 20 00 5.763, DEC = 30 57 32.101, filt=I+z , texp=20

**Night starting on the 2020-06-21**

*Moon illumination: 0.0 %*

*Sunset - Sunrise: 19h34 / 05h32*

*Civil/Naut./Astro. twilights: 20h06-05h00 / 20h40-04h26 / 21h17-03h49*

*Start-end of night (Naut. twil.): 20h41 to 04h26*

*Night duration (Naut. twil.): 7.756 h*

**From 20h41 to 04h26 : Sp1845+3853**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 12.21, SpT= 7.1

RA = 18 45 18.940, DEC = 38 53 24.622, filt=I+z , texp=86

**Night starting on the 2020-06-22**

*Moon illumination: 2.0 %*

*Sunset - Sunrise: 19h34 / 05h32*

*Civil/Naut./Astro. twilights: 20h06-05h00 / 20h40-04h26 / 21h17-03h49*

*Start-end of night (Naut. twil.): 20h41 to 04h26*

*Night duration (Naut. twil.): 7.758 h*

**From 20h41 to 04h26 : Sp1845+3853**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 12.21, SpT= 7.1

RA = 18 45 18.940, DEC = 38 53 24.622, filt=I+z , texp=86

**Night starting on the 2020-06-23**

*Moon illumination: 6.0 %*

*Sunset - Sunrise: 19h34 / 05h33*

*Civil/Naut./Astro. twilights: 20h07-05h00 / 20h41-04h26 / 21h17-03h50*

*Start-end of night (Naut. twil.): 20h41 to 04h27*

*Night duration (Naut. twil.): 7.76 h*

**From 20h41 to 04h27 : Sp1845+3853**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 12.21, SpT= 7.1

RA = 18 45 18.940, DEC = 38 53 24.622, filt=I+z , texp=86

**Night starting on the 2020-06-24**

*Moon illumination: 13.0 %*

*Sunset - Sunrise: 19h34 / 05h33*

*Civil/Naut./Astro. twilights: 20h07-05h01 / 20h41-04h27 / 21h17-03h50*

*Start-end of night (Naut. twil.): 20h42 to 04h27*

*Night duration (Naut. twil.): 7.763 h*

**From 20h42 to 04h27 : Sp1845+3853**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 12.21, SpT= 7.1

RA = 18 45 18.940, DEC = 38 53 24.622, filt=I+z , texp=86

**Night starting on the 2020-06-25**

*Moon illumination: 21.0 %*

*Sunset - Sunrise: 19h34 / 05h33*

*Civil/Naut./Astro. twilights: 20h07-05h01 / 20h41-04h27 / 21h17-03h50*

*Start-end of night (Naut. twil.): 20h42 to 04h27*

*Night duration (Naut. twil.): 7.768 h*

**From 20h42 to 04h27 : Sp1845+3853**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 12.21, SpT= 7.1

RA = 18 45 18.940, DEC = 38 53 24.622, filt=I+z , texp=86

**Night starting on the 2020-06-26**

*Moon illumination: 31.0 %*

*Sunset - Sunrise: 19h35 / 05h34*

*Civil/Naut./Astro. twilights: 20h07-05h01 / 20h41-04h27 / 21h18-03h51*

*Start-end of night (Naut. twil.): 20h42 to 04h28*

*Night duration (Naut. twil.): 7.773 h*

**From 20h42 to 04h28 : Sp1845+3853**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 12.21, SpT= 7.1

RA = 18 45 18.940, DEC = 38 53 24.622, filt=I+z , texp=86

**Night starting on the 2020-06-27**

*Moon illumination: 42.0 %*

*Sunset - Sunrise: 19h35 / 05h34*

*Civil/Naut./Astro. twilights: 20h07-05h02 / 20h41-04h28 / 21h18-03h51*

*Start-end of night (Naut. twil.): 20h42 to 04h28*

*Night duration (Naut. twil.): 7.778 h*

**From 20h42 to 04h28 : Sp1845+3853**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 12.21, SpT= 7.1

RA = 18 45 18.940, DEC = 38 53 24.622, filt=I+z , texp=86

**Night starting on the 2020-06-28**

*Moon illumination: 53.0 %*

*Sunset - Sunrise: 19h35 / 05h34*

*Civil/Naut./Astro. twilights: 20h07-05h02 / 20h41-04h28 / 21h17-03h51*

*Start-end of night (Naut. twil.): 20h41 to 04h28*

*Night duration (Naut. twil.): 7.785 h*

**From 20h41 to 04h28 : Sp1845+3853**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 12.21, SpT= 7.1

RA = 18 45 18.940, DEC = 38 53 24.622, filt=I+z , texp=86

**Night starting on the 2020-06-29**

*Moon illumination: 65.0 %*

*Sunset - Sunrise: 19h35 / 05h35*

*Civil/Naut./Astro. twilights: 20h07-05h02 / 20h41-04h28 / 21h17-03h52*

*Start-end of night (Naut. twil.): 20h41 to 04h28*

*Night duration (Naut. twil.): 7.793 h*

**From 20h41 to 04h28 : Sp1845+3853**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 12.21, SpT= 7.1

RA = 18 45 18.940, DEC = 38 53 24.622, filt=I+z , texp=86

**Night starting on the 2020-06-30**

*Moon illumination: 75.0 %*

*Sunset - Sunrise: 19h35 / 05h35*

*Civil/Naut./Astro. twilights: 20h07-05h03 / 20h41-04h29 / 21h17-03h52*

*Start-end of night (Naut. twil.): 20h41 to 04h29*

*Night duration (Naut. twil.): 7.801 h*

**From 20h41 to 04h29 : Sp1845+3853**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 12.21, SpT= 7.1

RA = 18 45 18.940, DEC = 38 53 24.622, filt=I+z , texp=86