**TN\_Oukaimeden**

**Schedule from 2020-09-01 to 2020-10-01**

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

**Night starting on the 2020-09-01**

*Moon illumination: 99.0 %*

*Sunset - Sunrise: 18h50 / 06h12*

*Civil/Naut./Astro. twilights: 19h19-05h43 / 19h48-05h14 / 20h17-04h44*

*Start-end of night (Naut. twil.): 19h48 to 05h14*

*Night duration (Naut. twil.): 9.441 h*

**From 19h48 to 05h14 : Sp0011+5908**

Note: Prio\_target

SPECULOOS : 30.15 h of obs over 200.0 h

Jmag= 9.95, SpT= 5.5

RA = 00 11 30.931, DEC = 59 08 39.885, texp=14 , filt=z

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

*Moon illumination: 100.0 %*

*Sunset - Sunrise: 18h49 / 06h12*

*Civil/Naut./Astro. twilights: 19h17-05h44 / 19h46-05h15 / 20h16-04h45*

*Start-end of night (Naut. twil.): 19h47 to 05h15*

*Night duration (Naut. twil.): 9.475 h*

**From 19h47 to 05h15 : Sp0011+5908**

Note: Prio\_target

SPECULOOS : 30.15 h of obs over 200.0 h

Jmag= 9.95, SpT= 5.5

RA = 00 11 30.931, DEC = 59 08 39.885, texp=14 , filt=z

**Night starting on the 2020-09-03**

*Moon illumination: 98.0 %*

*Sunset - Sunrise: 18h48 / 06h13*

*Civil/Naut./Astro. twilights: 19h16-05h44 / 19h45-05h15 / 20h14-04h46*

*Start-end of night (Naut. twil.): 19h45 to 05h15*

*Night duration (Naut. twil.): 9.508 h*

**From 19h45 to 05h15 : Sp0011+5908**

Note: Prio\_target

SPECULOOS : 30.15 h of obs over 200.0 h

Jmag= 9.95, SpT= 5.5

RA = 00 11 30.931, DEC = 59 08 39.885, texp=14 , filt=z

**Night starting on the 2020-09-04**

*Moon illumination: 94.0 %*

*Sunset - Sunrise: 18h46 / 06h13*

*Civil/Naut./Astro. twilights: 19h15-05h45 / 19h44-05h16 / 20h13-04h47*

*Start-end of night (Naut. twil.): 19h44 to 05h16*

*Night duration (Naut. twil.): 9.542 h*

**From 19h44 to 05h16 : Sp0011+5908**

Note: Prio\_target

SPECULOOS : 30.15 h of obs over 200.0 h

Jmag= 9.95, SpT= 5.5

RA = 00 11 30.931, DEC = 59 08 39.885, texp=14 , filt=z

**Night starting on the 2020-09-05**

*Moon illumination: 89.0 %*

*Sunset - Sunrise: 18h45 / 06h14*

*Civil/Naut./Astro. twilights: 19h13-05h46 / 19h42-05h17 / 20h12-04h47*

*Start-end of night (Naut. twil.): 19h43 to 05h17*

*Night duration (Naut. twil.): 9.575 h*

**From 19h43 to 05h17 : Sp0011+5908**

Note: Prio\_target

SPECULOOS : 30.15 h of obs over 200.0 h

Jmag= 9.95, SpT= 5.5

RA = 00 11 30.931, DEC = 59 08 39.885, texp=14 , filt=z

**Night starting on the 2020-09-06**

*Moon illumination: 83.0 %*

*Sunset - Sunrise: 18h44 / 06h15*

*Civil/Naut./Astro. twilights: 19h12-05h46 / 19h41-05h17 / 20h10-04h48*

*Start-end of night (Naut. twil.): 19h42 to 05h18*

*Night duration (Naut. twil.): 9.609 h*

**From 19h42 to 05h18 : Sp0011+5908**

Note: Prio\_target

SPECULOOS : 30.15 h of obs over 200.0 h

Jmag= 9.95, SpT= 5.5

RA = 00 11 30.931, DEC = 59 08 39.885, texp=14 , filt=z

**Night starting on the 2020-09-07**

*Moon illumination: 75.0 %*

*Sunset - Sunrise: 18h43 / 06h15*

*Civil/Naut./Astro. twilights: 19h11-05h47 / 19h40-05h18 / 20h09-04h49*

*Start-end of night (Naut. twil.): 19h40 to 05h18*

*Night duration (Naut. twil.): 9.642 h*

**From 19h40 to 05h18 : Sp0011+5908**

Note: Prio\_target

SPECULOOS : 30.15 h of obs over 200.0 h

Jmag= 9.95, SpT= 5.5

RA = 00 11 30.931, DEC = 59 08 39.885, texp=14 , filt=z

**Night starting on the 2020-09-08**

*Moon illumination: 67.0 %*

*Sunset - Sunrise: 18h41 / 06h16*

*Civil/Naut./Astro. twilights: 19h10-05h47 / 19h38-05h19 / 20h07-04h50*

*Start-end of night (Naut. twil.): 19h39 to 05h19*

*Night duration (Naut. twil.): 9.675 h*

**From 19h39 to 05h19 : Sp0011+5908**

Note: Prio\_target

SPECULOOS : 30.15 h of obs over 200.0 h

Jmag= 9.95, SpT= 5.5

RA = 00 11 30.931, DEC = 59 08 39.885, texp=14 , filt=z

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

*Moon illumination: 58.0 %*

*Sunset - Sunrise: 18h40 / 06h16*

*Civil/Naut./Astro. twilights: 19h08-05h48 / 19h37-05h19 / 20h06-04h50*

*Start-end of night (Naut. twil.): 19h37 to 05h19*

*Night duration (Naut. twil.): 9.709 h*

**From 19h37 to 05h19 : Sp0011+5908**

Note: Prio\_target

SPECULOOS : 30.15 h of obs over 200.0 h

Jmag= 9.95, SpT= 5.5

RA = 00 11 30.931, DEC = 59 08 39.885, texp=14 , filt=z

**Night starting on the 2020-09-10**

*Moon illumination: 48.0 %*

*Sunset - Sunrise: 18h39 / 06h17*

*Civil/Naut./Astro. twilights: 19h07-05h49 / 19h36-05h20 / 20h05-04h51*

*Start-end of night (Naut. twil.): 19h36 to 05h20*

*Night duration (Naut. twil.): 9.742 h*

**From 19h36 to 00h24 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h25 to 05h20 : Sp0202+1020**

Note: Prio\_target

SPECULOOS : 39.25 h of obs over 200.0 h

Jmag= 9.84, SpT= 5.3

RA = 02 02 16.231, DEC = 10 20 13.954, filt=z , texp=13

**Night starting on the 2020-09-11**

*Moon illumination: 38.0 %*

*Sunset - Sunrise: 18h37 / 06h17*

*Civil/Naut./Astro. twilights: 19h06-05h49 / 19h34-05h21 / 20h03-04h52*

*Start-end of night (Naut. twil.): 19h35 to 05h21*

*Night duration (Naut. twil.): 9.775 h*

**From 19h35 to 00h24 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h24 to 05h21 : Sp0202+1020**

Note: Prio\_target

SPECULOOS : 39.25 h of obs over 200.0 h

Jmag= 9.84, SpT= 5.3

RA = 02 02 16.231, DEC = 10 20 13.954, filt=z , texp=13

**Night starting on the 2020-09-12**

*Moon illumination: 28.0 %*

*Sunset - Sunrise: 18h36 / 06h18*

*Civil/Naut./Astro. twilights: 19h04-05h50 / 19h33-05h21 / 20h02-04h52*

*Start-end of night (Naut. twil.): 19h33 to 05h21*

*Night duration (Naut. twil.): 9.809 h*

**From 19h33 to 00h23 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h23 to 05h21 : Sp0202+1020**

Note: Prio\_target

SPECULOOS : 39.25 h of obs over 200.0 h

Jmag= 9.84, SpT= 5.3

RA = 02 02 16.231, DEC = 10 20 13.954, filt=z , texp=13

**Night starting on the 2020-09-13**

*Moon illumination: 19.0 %*

*Sunset - Sunrise: 18h35 / 06h19*

*Civil/Naut./Astro. twilights: 19h03-05h50 / 19h31-05h22 / 20h00-04h53*

*Start-end of night (Naut. twil.): 19h32 to 05h22*

*Night duration (Naut. twil.): 9.842 h*

**From 19h32 to 00h23 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h23 to 05h22 : Sp0202+1020**

Note: Prio\_target

SPECULOOS : 39.25 h of obs over 200.0 h

Jmag= 9.84, SpT= 5.3

RA = 02 02 16.231, DEC = 10 20 13.954, filt=z , texp=13

**Night starting on the 2020-09-14**

*Moon illumination: 11.0 %*

*Sunset - Sunrise: 18h34 / 06h19*

*Civil/Naut./Astro. twilights: 19h02-05h51 / 19h30-05h23 / 19h59-04h54*

*Start-end of night (Naut. twil.): 19h30 to 05h22*

*Night duration (Naut. twil.): 9.875 h*

**From 19h30 to 00h22 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h23 to 05h22 : Sp0202+1020**

Note: Prio\_target

SPECULOOS : 39.25 h of obs over 200.0 h

Jmag= 9.84, SpT= 5.3

RA = 02 02 16.231, DEC = 10 20 13.954, filt=z , texp=13

**Night starting on the 2020-09-15**

*Moon illumination: 5.0 %*

*Sunset - Sunrise: 18h32 / 06h20*

*Civil/Naut./Astro. twilights: 19h00-05h52 / 19h29-05h23 / 19h57-04h54*

*Start-end of night (Naut. twil.): 19h29 to 05h23*

*Night duration (Naut. twil.): 9.908 h*

**From 19h29 to 00h22 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h22 to 05h23 : Sp0202+1020**

Note: Prio\_target

SPECULOOS : 39.25 h of obs over 200.0 h

Jmag= 9.84, SpT= 5.3

RA = 02 02 16.231, DEC = 10 20 13.954, filt=z , texp=13

**Night starting on the 2020-09-16**

*Moon illumination: 1.0 %*

*Sunset - Sunrise: 18h31 / 06h20*

*Civil/Naut./Astro. twilights: 18h59-05h52 / 19h27-05h24 / 19h56-04h55*

*Start-end of night (Naut. twil.): 19h28 to 05h24*

*Night duration (Naut. twil.): 9.941 h*

**From 19h28 to 00h22 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h22 to 05h24 : Sp0246+1625**

Note: Prio\_target

SPECULOOS : 60.5 h of obs over 200.0 h

Jmag= 10.97, SpT= 6.1

RA = 02 46 34.678, DEC = 16 25 10.210, filt=I+z , texp=27

**Night starting on the 2020-09-17**

*Moon illumination: 0.0 %*

*Sunset - Sunrise: 18h30 / 06h21*

*Civil/Naut./Astro. twilights: 18h58-05h53 / 19h26-05h24 / 19h55-04h56*

*Start-end of night (Naut. twil.): 19h27 to 05h25*

*Night duration (Naut. twil.): 9.974 h*

**From 19h27 to 00h22 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h22 to 05h25 : Sp0246+1625**

Note: Prio\_target

SPECULOOS : 60.5 h of obs over 200.0 h

Jmag= 10.97, SpT= 6.1

RA = 02 46 34.678, DEC = 16 25 10.210, filt=I+z , texp=27

**Night starting on the 2020-09-18**

*Moon illumination: 2.0 %*

*Sunset - Sunrise: 18h28 / 06h22*

*Civil/Naut./Astro. twilights: 18h56-05h53 / 19h25-05h25 / 19h53-04h57*

*Start-end of night (Naut. twil.): 19h26 to 05h25*

*Night duration (Naut. twil.): 10.006 h*

**From 19h26 to 00h21 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h22 to 05h25 : Sp0246+1625**

Note: Prio\_target

SPECULOOS : 60.5 h of obs over 200.0 h

Jmag= 10.97, SpT= 6.1

RA = 02 46 34.678, DEC = 16 25 10.210, filt=I+z , texp=27

**Night starting on the 2020-09-19**

*Moon illumination: 7.0 %*

*Sunset - Sunrise: 18h27 / 06h22*

*Civil/Naut./Astro. twilights: 18h55-05h54 / 19h23-05h26 / 19h52-04h57*

*Start-end of night (Naut. twil.): 19h24 to 05h26*

*Night duration (Naut. twil.): 10.039 h*

**From 19h24 to 00h21 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h21 to 05h26 : Sp0246+1625**

Note: Prio\_target

SPECULOOS : 60.5 h of obs over 200.0 h

Jmag= 10.97, SpT= 6.1

RA = 02 46 34.678, DEC = 16 25 10.210, filt=I+z , texp=27

**Night starting on the 2020-09-20**

*Moon illumination: 15.0 %*

*Sunset - Sunrise: 18h26 / 06h23*

*Civil/Naut./Astro. twilights: 18h54-05h55 / 19h22-05h26 / 19h51-04h58*

*Start-end of night (Naut. twil.): 19h23 to 05h26*

*Night duration (Naut. twil.): 10.072 h*

**From 19h23 to 00h20 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h21 to 05h26 : Sp0246+1625**

Note: Prio\_target

SPECULOOS : 60.5 h of obs over 200.0 h

Jmag= 10.97, SpT= 6.1

RA = 02 46 34.678, DEC = 16 25 10.210, filt=I+z , texp=27

**Night starting on the 2020-09-21**

*Moon illumination: 24.0 %*

*Sunset - Sunrise: 18h24 / 06h23*

*Civil/Naut./Astro. twilights: 18h53-05h55 / 19h21-05h27 / 19h49-04h59*

*Start-end of night (Naut. twil.): 19h21 to 05h27*

*Night duration (Naut. twil.): 10.104 h*

**From 19h21 to 00h20 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h20 to 05h27 : Sp0246+1625**

Note: Prio\_target

SPECULOOS : 60.5 h of obs over 200.0 h

Jmag= 10.97, SpT= 6.1

RA = 02 46 34.678, DEC = 16 25 10.210, filt=I+z , texp=27

**Night starting on the 2020-09-22**

*Moon illumination: 34.0 %*

*Sunset - Sunrise: 18h23 / 06h24*

*Civil/Naut./Astro. twilights: 18h51-05h56 / 19h19-05h28 / 19h48-04h59*

*Start-end of night (Naut. twil.): 19h20 to 05h28*

*Night duration (Naut. twil.): 10.137 h*

**From 19h20 to 00h19 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h20 to 05h28 : Sp0246+1625**

Note: Prio\_target

SPECULOOS : 60.5 h of obs over 200.0 h

Jmag= 10.97, SpT= 6.1

RA = 02 46 34.678, DEC = 16 25 10.210, filt=I+z , texp=27

**Night starting on the 2020-09-23**

*Moon illumination: 45.0 %*

*Sunset - Sunrise: 18h22 / 06h24*

*Civil/Naut./Astro. twilights: 18h50-05h56 / 19h18-05h28 / 19h46-05h00*

*Start-end of night (Naut. twil.): 19h18 to 05h28*

*Night duration (Naut. twil.): 10.169 h*

**From 19h18 to 00h19 : Sp2000+3057**

Note: Prio\_target

SPECULOOS : 81.6 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 00h20 to 05h28 : Sp0246+1625**

Note: Prio\_target

SPECULOOS : 60.5 h of obs over 200.0 h

Jmag= 10.97, SpT= 6.1

RA = 02 46 34.678, DEC = 16 25 10.210, filt=I+z , texp=27

**Night starting on the 2020-09-24**

*Moon illumination: 56.0 %*

*Sunset - Sunrise: 18h21 / 06h25*

*Civil/Naut./Astro. twilights: 18h49-05h57 / 19h17-05h29 / 19h45-05h01*

*Start-end of night (Naut. twil.): 19h22 to 05h29*

*Night duration (Naut. twil.): 10.201 h*

**From 19h22 to 00h23 : Sp0020+3305**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 10.28, SpT= 5.0

RA = 00 20 29.623, DEC = 33 05 6.428, filt=I+z , texp=13

**From 00h24 to 05h29 : Sp0246+1625**

Note: Prio\_target

SPECULOOS : 60.5 h of obs over 200.0 h

Jmag= 10.97, SpT= 6.1

RA = 02 46 34.678, DEC = 16 25 10.210, filt=I+z , texp=27

**Night starting on the 2020-09-25**

*Moon illumination: 66.0 %*

*Sunset - Sunrise: 18h19 / 06h26*

*Civil/Naut./Astro. twilights: 18h47-05h58 / 19h15-05h29 / 19h44-05h01*

*Start-end of night (Naut. twil.): 19h17 to 05h30*

*Night duration (Naut. twil.): 10.233 h*

**From 19h17 to 05h30 : Sp0020+3305**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 10.28, SpT= 5.0

RA = 00 20 29.623, DEC = 33 05 6.428, filt=I+z , texp=13

**Night starting on the 2020-09-26**

*Moon illumination: 76.0 %*

*Sunset - Sunrise: 18h18 / 06h26*

*Civil/Naut./Astro. twilights: 18h46-05h58 / 19h14-05h30 / 19h42-05h02*

*Start-end of night (Naut. twil.): 19h15 to 05h30*

*Night duration (Naut. twil.): 10.265 h*

**From 19h15 to 05h30 : Sp0020+3305**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 10.28, SpT= 5.0

RA = 00 20 29.623, DEC = 33 05 6.428, filt=I+z , texp=13

**Night starting on the 2020-09-27**

*Moon illumination: 84.0 %*

*Sunset - Sunrise: 18h17 / 06h27*

*Civil/Naut./Astro. twilights: 18h45-05h59 / 19h13-05h31 / 19h41-05h02*

*Start-end of night (Naut. twil.): 19h13 to 05h31*

*Night duration (Naut. twil.): 10.297 h*

**From 19h13 to 05h31 : Sp0020+3305**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 10.28, SpT= 5.0

RA = 00 20 29.623, DEC = 33 05 6.428, filt=I+z , texp=13

**Night starting on the 2020-09-28**

*Moon illumination: 90.0 %*

*Sunset - Sunrise: 18h15 / 06h28*

*Civil/Naut./Astro. twilights: 18h44-05h59 / 19h12-05h31 / 19h40-05h03*

*Start-end of night (Naut. twil.): 19h12 to 05h31*

*Night duration (Naut. twil.): 10.329 h*

**From 19h12 to 05h31 : Sp0020+3305**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 10.28, SpT= 5.0

RA = 00 20 29.623, DEC = 33 05 6.428, filt=I+z , texp=13

**Night starting on the 2020-09-29**

*Moon illumination: 95.0 %*

*Sunset - Sunrise: 18h14 / 06h28*

*Civil/Naut./Astro. twilights: 18h42-06h00 / 19h10-05h32 / 19h39-05h04*

*Start-end of night (Naut. twil.): 19h11 to 05h30*

*Night duration (Naut. twil.): 10.36 h*

**From 19h11 to 05h30 : Sp0020+3305**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 10.28, SpT= 5.0

RA = 00 20 29.623, DEC = 33 05 6.428, filt=I+z , texp=13

**Night starting on the 2020-09-30**

*Moon illumination: 98.0 %*

*Sunset - Sunrise: 18h13 / 06h29*

*Civil/Naut./Astro. twilights: 18h41-06h01 / 19h09-05h33 / 19h37-05h04*

*Start-end of night (Naut. twil.): 19h09 to 05h26*

*Night duration (Naut. twil.): 10.392 h*

**From 19h09 to 05h26 : Sp0020+3305**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 200.0 h

Jmag= 10.28, SpT= 5.0

RA = 00 20 29.623, DEC = 33 05 6.428, filt=I+z , texp=13