**TNOuka**

**Schedule from 2020-03-23 to 2020-04-06**

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

*Manu*

**Night starting on the 2020-03-23**

*Moon illumination: 1.0 %*

*Sunset - Sunrise: 18h41 / 06h33*

*Civil/Naut./Astro. twilights: 19h09-06h05 / 19h37-05h37 / 20h06-20h06*

*Start-end of night (Naut. twil.): 19h38 to 05h37*

*Night duration (Naut. twil.): 9.994 h*

**From 19h38 to 00h33 : Sp0714+3702**

Note: Prio\_target

SPECULOOS : 17.0 h of obs over 200.0 h

Jmag= 11.975999999999999, SpT= 7.5

RA = 07 14 3.912, DEC = 37 02 45.960, filt=I+z , texp=55

**From 00h34 to 05h37 : Sp1524+2925**

Note: Prio\_target

SPECULOOS : 70.0 h of obs over 200.0 h

Jmag= 11.206, SpT= 6.56

RA = 15 24 24.744, DEC = 29 25 31.440, filt=I+z , texp=34

**Night starting on the 2020-03-24**

*Moon illumination: 0.0 %*

*Sunset - Sunrise: 18h41 / 06h32*

*Civil/Naut./Astro. twilights: 19h10-06h04 / 19h38-05h36 / 20h07-20h07*

*Start-end of night (Naut. twil.): 19h38 to 05h35*

*Night duration (Naut. twil.): 9.95 h*

**From 19h38 to 00h33 : Sp0714+3702**

Note: Prio\_target

SPECULOOS : 17.0 h of obs over 200.0 h

Jmag= 11.975999999999999, SpT= 7.5

RA = 07 14 3.912, DEC = 37 02 45.960, filt=I+z , texp=55

**From 00h33 to 05h35 : Sp1524+2925**

Note: Prio\_target

SPECULOOS : 70.0 h of obs over 200.0 h

Jmag= 11.206, SpT= 6.56

RA = 15 24 24.744, DEC = 29 25 31.440, filt=I+z , texp=34

**Night starting on the 2020-03-25**

*Moon illumination: 2.0 %*

*Sunset - Sunrise: 18h42 / 06h31*

*Civil/Naut./Astro. twilights: 19h10-06h03 / 19h39-05h34 / 20h07-20h07*

*Start-end of night (Naut. twil.): 19h39 to 05h34*

*Night duration (Naut. twil.): 9.922 h*

**From 19h39 to 00h32 : Sp0714+3702**

Note: Prio\_target

SPECULOOS : 17.0 h of obs over 200.0 h

Jmag= 11.975999999999999, SpT= 7.5

RA = 07 14 3.912, DEC = 37 02 45.960, filt=I+z , texp=55

**From 00h33 to 05h34 : Sp1524+2925**

Note: Prio\_target

SPECULOOS : 70.0 h of obs over 200.0 h

Jmag= 11.206, SpT= 6.56

RA = 15 24 24.744, DEC = 29 25 31.440, filt=I+z , texp=34

**Night starting on the 2020-03-26**

*Moon illumination: 5.0 %*

*Sunset - Sunrise: 18h43 / 06h29*

*Civil/Naut./Astro. twilights: 19h11-06h01 / 19h39-05h33 / 20h08-20h08*

*Start-end of night (Naut. twil.): 19h40 to 05h33*

*Night duration (Naut. twil.): 9.883 h*

**From 19h40 to 00h32 : Sp0714+3702**

Note: Prio\_target

SPECULOOS : 17.0 h of obs over 200.0 h

Jmag= 11.975999999999999, SpT= 7.5

RA = 07 14 3.912, DEC = 37 02 45.960, filt=I+z , texp=55

**From 00h32 to 05h33 : Sp1524+2925**

Note: Prio\_target

SPECULOOS : 70.0 h of obs over 200.0 h

Jmag= 11.206, SpT= 6.56

RA = 15 24 24.744, DEC = 29 25 31.440, filt=I+z , texp=34

**Night starting on the 2020-03-27**

*Moon illumination: 9.0 %*

*Sunset - Sunrise: 18h43 / 06h28*

*Civil/Naut./Astro. twilights: 19h12-06h00 / 19h40-05h32 / 20h09-20h09*

*Start-end of night (Naut. twil.): 19h40 to 05h31*

*Night duration (Naut. twil.): 9.85 h*

**From 19h40 to 00h32 : Sp0714+3702**

Note: Prio\_target

SPECULOOS : 17.0 h of obs over 200.0 h

Jmag= 11.975999999999999, SpT= 7.5

RA = 07 14 3.912, DEC = 37 02 45.960, filt=I+z , texp=55

**From 00h32 to 05h31 : Sp1524+2925**

Note: Prio\_target

SPECULOOS : 70.0 h of obs over 200.0 h

Jmag= 11.206, SpT= 6.56

RA = 15 24 24.744, DEC = 29 25 31.440, filt=I+z , texp=34

**Night starting on the 2020-03-28**

*Moon illumination: 16.0 %*

*Sunset - Sunrise: 18h44 / 06h27*

*Civil/Naut./Astro. twilights: 19h12-05h59 / 19h41-05h30 / 20h10-20h10*

*Start-end of night (Naut. twil.): 19h41 to 05h30*

*Night duration (Naut. twil.): 9.822 h*

**From 19h41 to 00h31 : Sp0714+3702**

Note: Prio\_target

SPECULOOS : 17.0 h of obs over 200.0 h

Jmag= 11.975999999999999, SpT= 7.5

RA = 07 14 3.912, DEC = 37 02 45.960, filt=I+z , texp=55

**From 00h32 to 05h30 : Sp1524+2925**

Note: Prio\_target

SPECULOOS : 70.0 h of obs over 200.0 h

Jmag= 11.206, SpT= 6.56

RA = 15 24 24.744, DEC = 29 25 31.440, filt=I+z , texp=34

**Night starting on the 2020-03-29**

*Moon illumination: 23.0 %*

*Sunset - Sunrise: 18h45 / 06h26*

*Civil/Naut./Astro. twilights: 19h13-05h58 / 19h41-05h29 / 20h10-20h10*

*Start-end of night (Naut. twil.): 19h42 to 05h29*

*Night duration (Naut. twil.): 9.783 h*

**From 19h42 to 00h32 : Sp0714+3702**

Note: Prio\_target

SPECULOOS : 17.0 h of obs over 200.0 h

Jmag= 11.975999999999999, SpT= 7.5

RA = 07 14 3.912, DEC = 37 02 45.960, filt=I+z , texp=55

**From 00h32 to 05h29 : Sp1423+5146**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.885, SpT= 6.98

RA = 14 23 2.808, DEC = 51 46 30.360, filt=I+z , texp=63

**Night starting on the 2020-03-30**

*Moon illumination: 32.0 %*

*Sunset - Sunrise: 18h45 / 06h24*

*Civil/Naut./Astro. twilights: 19h14-05h56 / 19h42-05h28 / 20h11-20h11*

*Start-end of night (Naut. twil.): 19h43 to 05h28*

*Night duration (Naut. twil.): 9.75 h*

**From 19h43 to 00h31 : Sp1128+0141**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 0.0 h

Jmag= 11.54, SpT= 6.0

RA = 11 28 7.008, DEC = 01 41 30.120, filt=I+z , texp=46

**From 00h32 to 05h28 : Sp1423+5146**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.885, SpT= 6.98

RA = 14 23 2.808, DEC = 51 46 30.360, filt=I+z , texp=63

**Night starting on the 2020-03-31**

*Moon illumination: 42.0 %*

*Sunset - Sunrise: 18h46 / 06h23*

*Civil/Naut./Astro. twilights: 19h14-05h55 / 19h43-05h26 / 20h12-20h12*

*Start-end of night (Naut. twil.): 19h44 to 05h27*

*Night duration (Naut. twil.): 9.717 h*

**From 19h44 to 00h31 : Sp1128+0141**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 0.0 h

Jmag= 11.54, SpT= 6.0

RA = 11 28 7.008, DEC = 01 41 30.120, filt=I+z , texp=46

**From 00h31 to 05h27 : Sp1423+5146**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.885, SpT= 6.98

RA = 14 23 2.808, DEC = 51 46 30.360, filt=I+z , texp=63

**Night starting on the 2020-04-01**

*Moon illumination: 52.0 %*

*Sunset - Sunrise: 18h47 / 06h22*

*Civil/Naut./Astro. twilights: 19h15-05h54 / 19h44-05h25 / 20h13-20h13*

*Start-end of night (Naut. twil.): 19h44 to 05h25*

*Night duration (Naut. twil.): 9.683 h*

**From 19h44 to 00h31 : Sp1128+0141**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 0.0 h

Jmag= 11.54, SpT= 6.0

RA = 11 28 7.008, DEC = 01 41 30.120, filt=I+z , texp=46

**From 00h31 to 05h25 : Sp1423+5146**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.885, SpT= 6.98

RA = 14 23 2.808, DEC = 51 46 30.360, filt=I+z , texp=63

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

*Moon illumination: 63.0 %*

*Sunset - Sunrise: 18h47 / 06h21*

*Civil/Naut./Astro. twilights: 19h16-05h52 / 19h44-05h24 / 20h14-20h14*

*Start-end of night (Naut. twil.): 20h16 to 05h24*

*Night duration (Naut. twil.): 9.139 h*

**From 20h16 to 05h24 : Sp1423+5146**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.885, SpT= 6.98

RA = 14 23 2.808, DEC = 51 46 30.360, filt=I+z , texp=63

**Night starting on the 2020-04-03**

*Moon illumination: 73.0 %*

*Sunset - Sunrise: 18h48 / 06h20*

*Civil/Naut./Astro. twilights: 19h16-05h51 / 19h45-05h22 / 20h14-20h14*

*Start-end of night (Naut. twil.): 20h12 to 05h22*

*Night duration (Naut. twil.): 9.178 h*

**From 20h12 to 05h22 : Sp1423+5146**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.885, SpT= 6.98

RA = 14 23 2.808, DEC = 51 46 30.360, filt=I+z , texp=63

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

*Moon illumination: 83.0 %*

*Sunset - Sunrise: 18h49 / 06h18*

*Civil/Naut./Astro. twilights: 19h17-05h50 / 19h46-05h21 / 20h15-20h15*

*Start-end of night (Naut. twil.): 20h08 to 05h21*

*Night duration (Naut. twil.): 9.222 h*

**From 20h08 to 05h21 : Sp1423+5146**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.885, SpT= 6.98

RA = 14 23 2.808, DEC = 51 46 30.360, filt=I+z , texp=63

**Night starting on the 2020-04-05**

*Moon illumination: 91.0 %*

*Sunset - Sunrise: 18h49 / 06h17*

*Civil/Naut./Astro. twilights: 19h18-05h49 / 19h47-05h20 / 20h16-20h16*

*Start-end of night (Naut. twil.): 20h04 to 05h20*

*Night duration (Naut. twil.): 9.278 h*

**From 20h04 to 05h20 : Sp1423+5146**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.885, SpT= 6.98

RA = 14 23 2.808, DEC = 51 46 30.360, filt=I+z , texp=63