**TNOuka**

**Schedule from 2020-01-20 15:00:00.000-2020-01-28 15:00:00.000**

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

**Night starting on the 2020-01-20**

*Moon illumination: 19.0 %*

*Sunset / Sunrise: 2020-01-20 17:51 / 2020-01-21 07:33*

*Civil/Naut./Astro. twilights: 2020-01-20 18:21/2020-01-21 07:03 , 2020-01-20 18:50/2020-01-21 06:33 , 2020-01-20 19:19/2020-01-21 06:04*

*Start-end of night (Naut. twil.): 2020-01-20 18:51:00.008 to 2020-01-21 06:25:20.021*

*Night duration (Naut. twil.): 11.572 h*

**From 2020-01-20 18:51 to 2020-01-21 00:38 : Sp0539+4038**

Note: Prio\_target

SPECULOOS : 26.5 h of obs over 200.0 h

Jmag= 11.11, SpT= 7.1

RA = 05 39 25.018, DEC = 40 38 42.838, Config: {'filt=I+z', 'texp=20'}

**From 2020-01-21 00:38 to 2020-01-21 06:25 : 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, Config: {'texp=14', 'filt=I+z'}

**Night starting on the 2020-01-21**

*Moon illumination: 11.0 %*

*Sunset / Sunrise: 2020-01-21 17:51 / 2020-01-22 07:33*

*Civil/Naut./Astro. twilights: 2020-01-21 18:22/2020-01-22 07:03 , 2020-01-21 18:51/2020-01-22 06:33 , 2020-01-21 19:20/2020-01-22 06:04*

*Start-end of night (Naut. twil.): 2020-01-21 18:52:00.008 to 2020-01-22 06:33:20.008*

*Night duration (Naut. twil.): 11.689 h*

**From 2020-01-21 18:52 to 2020-01-22 00:38 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-01-22 00:39 to 2020-01-22 06:33 : 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, Config: {'texp=55', 'filt=I+z'}

**Night starting on the 2020-01-22**

*Moon illumination: 5.0 %*

*Sunset / Sunrise: 2020-01-22 17:52 / 2020-01-23 07:32*

*Civil/Naut./Astro. twilights: 2020-01-22 18:23/2020-01-23 07:02 , 2020-01-22 18:52/2020-01-23 06:33 , 2020-01-22 19:21/2020-01-23 06:04*

*Start-end of night (Naut. twil.): 2020-01-22 18:52:40.008 to 2020-01-23 06:33:00.008*

*Night duration (Naut. twil.): 11.672 h*

**From 2020-01-22 18:52 to 2020-01-23 00:38 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-01-23 00:39 to 2020-01-23 06:33 : 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, Config: {'texp=55', 'filt=I+z'}

**Night starting on the 2020-01-23**

*Moon illumination: 2.0 %*

*Sunset / Sunrise: 2020-01-23 17:53 / 2020-01-24 07:32*

*Civil/Naut./Astro. twilights: 2020-01-23 18:23/2020-01-24 07:02 , 2020-01-23 18:53/2020-01-24 06:32 , 2020-01-23 19:22/2020-01-24 06:04*

*Start-end of night (Naut. twil.): 2020-01-23 18:53:20.008 to 2020-01-24 06:32:40.021*

*Night duration (Naut. twil.): 11.656 h*

**From 2020-01-23 18:53 to 2020-01-24 00:38 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-01-24 00:39 to 2020-01-24 06:32 : 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, Config: {'texp=55', 'filt=I+z'}

**Night starting on the 2020-01-24**

*Moon illumination: 0.0 %*

*Sunset / Sunrise: 2020-01-24 17:54 / 2020-01-25 07:31*

*Civil/Naut./Astro. twilights: 2020-01-24 18:24/2020-01-25 07:02 , 2020-01-24 18:54/2020-01-25 06:32 , 2020-01-24 19:23/2020-01-25 06:03*

*Start-end of night (Naut. twil.): 2020-01-24 18:54:20.008 to 2020-01-25 06:32:20.008*

*Night duration (Naut. twil.): 11.633 h*

**From 2020-01-24 18:54 to 2020-01-25 00:39 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-01-25 00:39 to 2020-01-25 06:32 : 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, Config: {'texp=55', 'filt=I+z'}

**Night starting on the 2020-01-25**

*Moon illumination: 1.0 %*

*Sunset / Sunrise: 2020-01-25 17:55 / 2020-01-26 07:31*

*Civil/Naut./Astro. twilights: 2020-01-25 18:25/2020-01-26 07:01 , 2020-01-25 18:54/2020-01-26 06:32 , 2020-01-25 19:23/2020-01-26 06:03*

*Start-end of night (Naut. twil.): 2020-01-25 18:55:00.008 to 2020-01-26 06:32:20.021*

*Night duration (Naut. twil.): 11.622 h*

**From 2020-01-25 18:55 to 2020-01-26 00:39 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-01-26 00:40 to 2020-01-26 06:32 : 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, Config: {'texp=55', 'filt=I+z'}

**Night starting on the 2020-01-26**

*Moon illumination: 3.0 %*

*Sunset / Sunrise: 2020-01-26 17:56 / 2020-01-27 07:31*

*Civil/Naut./Astro. twilights: 2020-01-26 18:26/2020-01-27 07:01 , 2020-01-26 18:55/2020-01-27 06:31 , 2020-01-26 19:24/2020-01-27 06:03*

*Start-end of night (Naut. twil.): 2020-01-26 18:56:20.008 to 2020-01-27 06:32:00.008*

*Night duration (Naut. twil.): 11.594 h*

**From 2020-01-26 18:56 to 2020-01-27 00:40 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-01-27 00:40 to 2020-01-27 06:32 : 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, Config: {'texp=55', 'filt=I+z'}

**Night starting on the 2020-01-27**

*Moon illumination: 7.0 %*

*Sunset / Sunrise: 2020-01-27 17:57 / 2020-01-28 07:30*

*Civil/Naut./Astro. twilights: 2020-01-27 18:27/2020-01-28 07:00 , 2020-01-27 18:56/2020-01-28 06:31 , 2020-01-27 19:25/2020-01-28 06:02*

*Start-end of night (Naut. twil.): 2020-01-27 18:57:20.008 to 2020-01-28 06:31:40.008*

*Night duration (Naut. twil.): 11.572 h*

**From 2020-01-27 18:57 to 2020-01-28 00:40 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-01-28 00:40 to 2020-01-28 06:31 : 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, Config: {'texp=55', 'filt=I+z'}