**TNOuka**

**Schedule from 2020-01-27 15:00:00.000-2020-02-03 15:00:00.000**

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

*Khalid*

**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 18:57:20.009 to 2020-01-28 06:31:40.009*

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

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

**From 2020-01-28 00:40 to 2020-01-28 06:31 : Sp0939+2943**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.98, SpT= 6.5

RA = 09 39 23.248, DEC = 29 43 27.116, Config: {'filt=I+z', 'texp=10'}

**Night starting on the 2020-01-28**

*Moon illumination: 13.0 %*

*Sunset / Sunrise: 2020-01-28 17:58 / 2020-01-29 07:29*

*Civil/Naut./Astro. twilights: 2020-01-28 18:28/2020-01-29 07:00 , 2020-01-28 18:57/2020-01-29 06:31 , 2020-01-28 19:26/2020-01-29 06:02*

*Start-end of night (Naut. twil.): 2020-01-28 18:58:00.009 to 2020-01-29 06:31:00.009*

*Night duration (Naut. twil.): 11.55 h*

**From 2020-01-28 18:58 to 2020-01-29 00:40 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-01-29 00:40 to 2020-01-29 06:31 : Sp0939+2943**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.98, SpT= 6.5

RA = 09 39 23.248, DEC = 29 43 27.116, Config: {'filt=I+z', 'texp=10'}

**Night starting on the 2020-01-29**

*Moon illumination: 20.0 %*

*Sunset / Sunrise: 2020-01-29 17:59 / 2020-01-30 07:29*

*Civil/Naut./Astro. twilights: 2020-01-29 18:29/2020-01-30 06:59 , 2020-01-29 18:58/2020-01-30 06:30 , 2020-01-29 19:26/2020-01-30 06:01*

*Start-end of night (Naut. twil.): 2020-01-29 18:59:00.009 to 2020-01-30 06:30:40.009*

*Night duration (Naut. twil.): 11.528 h*

**From 2020-01-29 18:59 to 2020-01-30 00:40 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-01-30 00:41 to 2020-01-30 06:30 : Sp0939+2943**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.98, SpT= 6.5

RA = 09 39 23.248, DEC = 29 43 27.116, Config: {'filt=I+z', 'texp=10'}

**Night starting on the 2020-01-30**

*Moon illumination: 28.0 %*

*Sunset / Sunrise: 2020-01-30 18:00 / 2020-01-31 07:28*

*Civil/Naut./Astro. twilights: 2020-01-30 18:29/2020-01-31 06:59 , 2020-01-30 18:58/2020-01-31 06:30 , 2020-01-30 19:27/2020-01-31 06:01*

*Start-end of night (Naut. twil.): 2020-01-30 18:59:40.009 to 2020-01-31 06:30:00.009*

*Night duration (Naut. twil.): 11.506 h*

**From 2020-01-30 18:59 to 2020-01-31 00:40 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-01-31 00:41 to 2020-01-31 06:30 : Sp0939+2943**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.98, SpT= 6.5

RA = 09 39 23.248, DEC = 29 43 27.116, Config: {'filt=I+z', 'texp=10'}

**Night starting on the 2020-01-31**

*Moon illumination: 36.0 %*

*Sunset / Sunrise: 2020-01-31 18:01 / 2020-02-01 07:28*

*Civil/Naut./Astro. twilights: 2020-01-31 18:30/2020-02-01 06:58 , 2020-01-31 18:59/2020-02-01 06:29 , 2020-01-31 19:28/2020-02-01 06:01*

*Start-end of night (Naut. twil.): 2020-01-31 19:00:20.009 to 2020-02-01 06:29:20.009*

*Night duration (Naut. twil.): 11.483 h*

**From 2020-01-31 19:00 to 2020-02-01 00:40 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-02-01 00:41 to 2020-02-01 06:29 : Sp0939+2943**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.98, SpT= 6.5

RA = 09 39 23.248, DEC = 29 43 27.116, Config: {'filt=I+z', 'texp=10'}

**Night starting on the 2020-02-01**

*Moon illumination: 46.0 %*

*Sunset / Sunrise: 2020-02-01 18:02 / 2020-02-02 07:27*

*Civil/Naut./Astro. twilights: 2020-02-01 18:31/2020-02-02 06:58 , 2020-02-01 19:00/2020-02-02 06:29 , 2020-02-01 19:29/2020-02-02 06:00*

*Start-end of night (Naut. twil.): 2020-02-01 19:00:40.009 to 2020-02-02 06:28:40.021*

*Night duration (Naut. twil.): 11.467 h*

**From 2020-02-01 19:00 to 2020-02-02 00:40 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-02-02 00:41 to 2020-02-02 06:28 : Sp0939+2943**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.98, SpT= 6.5

RA = 09 39 23.248, DEC = 29 43 27.116, Config: {'filt=I+z', 'texp=10'}

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

*Moon illumination: 56.0 %*

*Sunset / Sunrise: 2020-02-02 18:02 / 2020-02-03 07:26*

*Civil/Naut./Astro. twilights: 2020-02-02 18:32/2020-02-03 06:57 , 2020-02-02 19:01/2020-02-03 06:28 , 2020-02-02 19:29/2020-02-03 06:00*

*Start-end of night (Naut. twil.): 2020-02-02 19:01:40.008 to 2020-02-03 06:28:00.008*

*Night duration (Naut. twil.): 11.439 h*

**From 2020-02-02 19:01 to 2020-02-03 00:40 : 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, Config: {'texp=55', 'filt=I+z'}

**From 2020-02-03 00:41 to 2020-02-03 06:28 : Sp0939+2943**

Note: Prio\_target

SPECULOOS : 0.0 h of obs over 60.0 h

Jmag= 11.98, SpT= 6.5

RA = 09 39 23.248, DEC = 29 43 27.116, Config: {'filt=I+z', 'texp=10'}