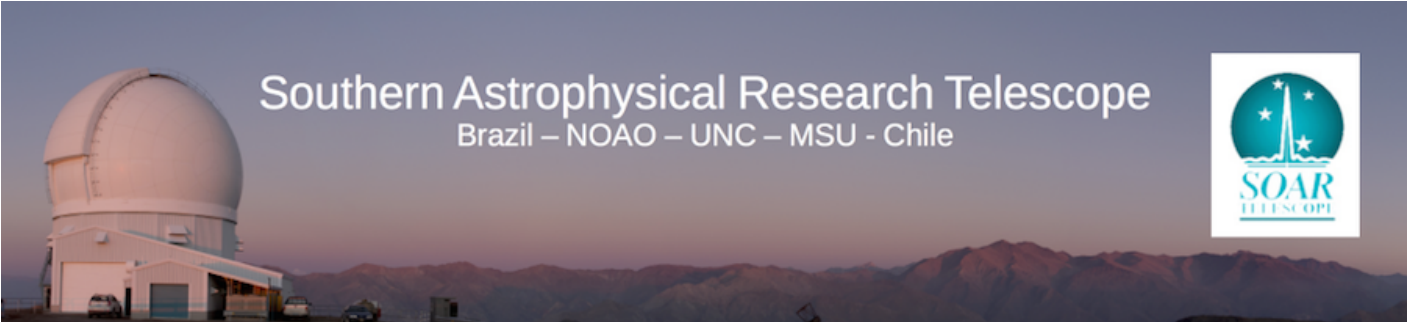




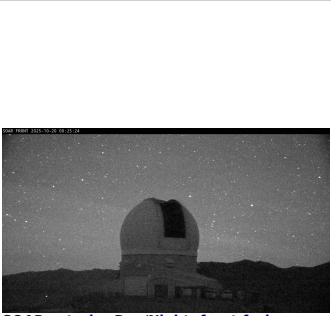
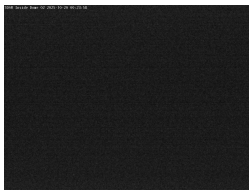
Published on SOAR (<http://www.ctio.noirlab.edu/soar>)

[Home](#) > Weather

Weather, Sky & Monitoring Tools

THIS PAGE IS NO LONGER ACTIVELY MAINTAINED! PLEASE VISIT <https://noirlab.edu/science/observing-noirlab/weather-webcams/cerro-pachon> ^[1] for access to Cerro Pachón webcams, environmental monitors, etc.

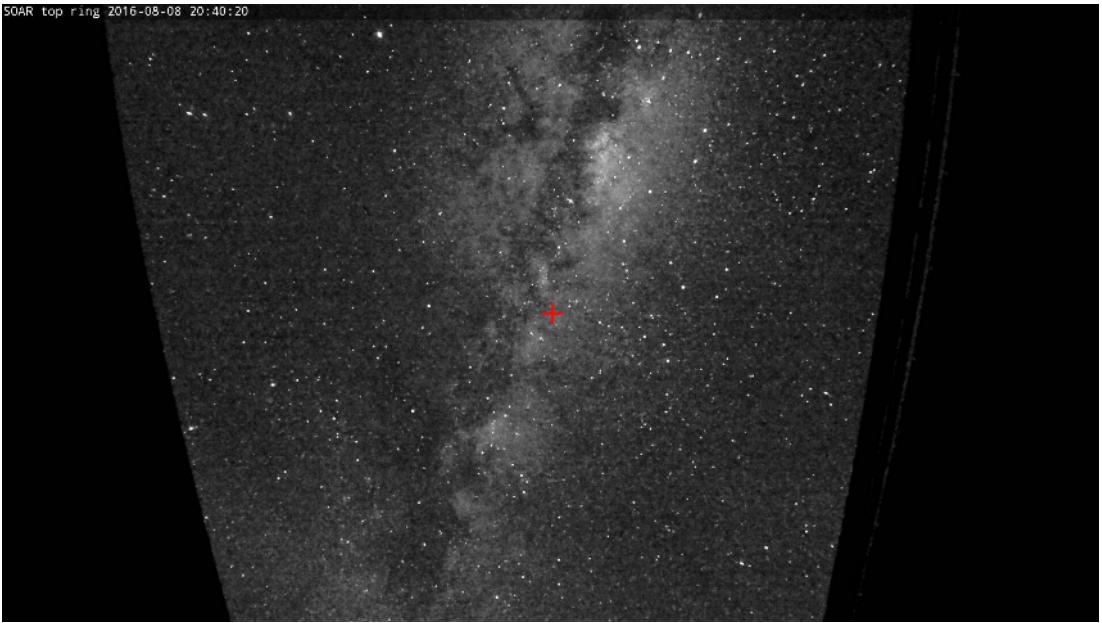
SOAR WEBCAMS

 SOAR exterior Day/Night: back facing - looking west [2]	 SOAR exterior Day/Night: front facing - looking east [3]	 SOAR Topring Camera [4]
 SOAR Interior Panoramic Cam (NEW) [5]	 SOAR Interior camera [6]	 SOAR Mirror Covers [7]

CERRO PACHON WEATHER DATA • SOAR Weather Station [8] • Gemini-South Environmental Monitor [9] SATELLITE IMAGERY • Cloud coverage over CTIO/Pachón from WunderMap [10] • Satellite Image - Infrared (Wunderground) [11] • ESO satellite images page [12] WEATHER FORECASTS • Meteoblue [13] (with additional astronomical predictions [14]) • Ventusky: cloud cover, temperature and more [15] • Weather forecast for Tololo from YR [16] • Windy.com: Satellite images, cloud coverage, winds and forecast models [17]	Time in La Serena: [18] • Weather forecast for the Chilean mountains (Spanish, select "Pronósticos" then "Cordillera", then look under "Región de Coquimbo") [19] • CTIO Sky Conditions web page (links to more weather pages and site monitors) [20] • Link to South American lightning network [21]
--	--

SKY CAMERAS AND SEEING MONITORS

- [CTIO exterior day/night webcam](#) [22] (public access link)
- [GEMINI all-sky camera](#) [23] (**Now working day and night!** Public access link)

SOAR Top Ring Sky-Viewing Camera (VPN access only) [24] Note - because the camera is mounted off-center on the top ring of the telescope, items in the dome like the white spot will appear off-center, mainly in elevation.	
--	---

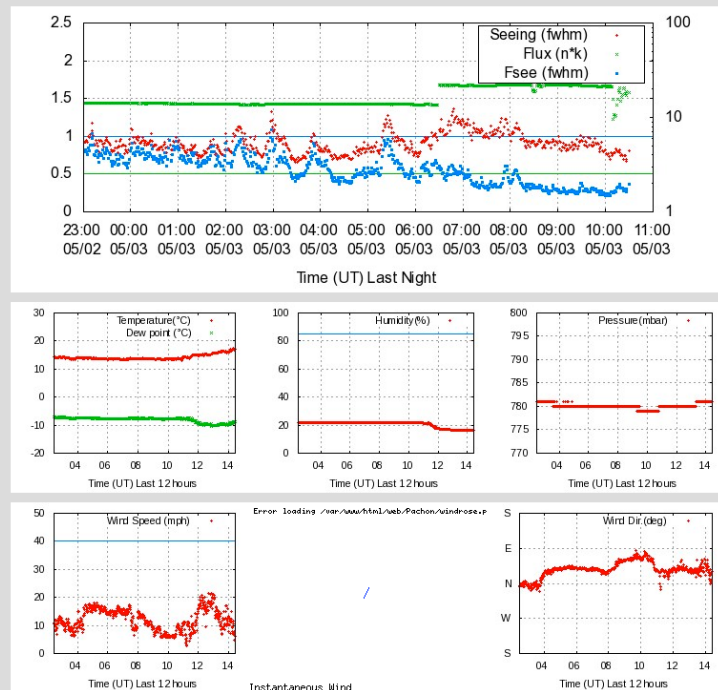
[Cerro Pachón Seeing Monitor and Environmental page \(VPN access only\)](#) [8]

Last DIMM seeing data ([Data Archive](#))
Daytime
Seeing: n/a 30 min. Avg. n/a
dx: n/a n/a

Last MASS FSee data
Daytime
FSee: n/a 30 min. Avg. n/a

Last weather data ([Weather Data Archive](#))
2017-05-03 14:25:01 UT
Humidity: 16 (%) 30 min. Avg. 16 (%)
Temperature: 17.1 °C 16.6 °C
Dew point: -8.9 °C -9.3 °C
Pressure: 781 mbar 781 mbar
Wind Speed: 6.0 mph 9.9 mph
Wind Dir.: 30.0 ° 45.9 °

LST: 00:30
Julian Date: 2457877.1
Twilight Evening: 23:29 UT
Twilight Morning: 09:50 UT
Sun Altitude: 33.9°
Moon RA: 9h 28m
Moon Dec: 14° 17'
Moon Rise: 17:12 UT
Moon Set: 04:28 UT
Moon Illum.: 49 %



[Cerro Tololo Environment page and Seeing Monitor data \(VPN access only\)](#) [25]

Last seeing data ([Data Archive](#))
2014-11-28 08:29:59
Seeing: 0.62 30 min. Avg. 0.53
Airmass: 1.14 1.10
dx: 26.50 27.03

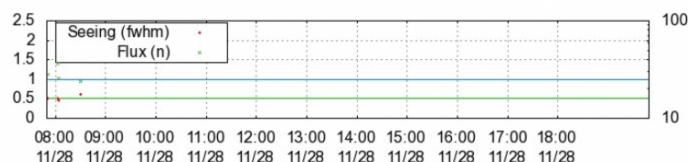
Last weather data ([Weather Data Archive](#))

National Optical Astronomy Observatory

Kitt Peak National Observatory • Cerro Tololo Inter-American Observatory • NOAO Gemini Science Center

TOLOLO Site Environmental Web Page

2014-11-28 19:48:50 UT 2014-11-28 16:48:50 CLT



[Blanco Telescope Top Ring Sky-Viewing Camera](#) [26]
(VPN access required)



Important note regarding wind and humidity limits to SOAR dome closure:

Steady wind: $v > 70$ km/h;

Peak gusts: $v > 75$ km/h ;

RH $> 90\%$, or if there is obvious risk of condensation.

The SOAR Telescope operators will close the dome whenever these parameters reach the limit values, or in cases where blowing dust or passing cloud indicates that closure is necessary even though the formal closure limit has not been reached. The dome must also remain closed if snow and ice on the shutter or in its vicinity pose a risk. The decision on opening or closing the dome falls on the Telescope Operator, who has ample experience to determine whether conditions are safe for carrying out observations.

Source URL: <http://www.ctio.noirlab.edu/soar/content/weather-sky-monitoring-tools>

Links

[1] <https://noirlab.edu/science/observing-noirlab/weather-webcams/cerro-pachon>

[2] http://www.ctio.noao.edu/~soarcam/outer_back_new.jpg

[3] http://www.ctio.noao.edu/~soarcam/sasca_tower.jpg

[4] <http://www.ctio.noao.edu/~soarcam/topring.jpg>

[5] http://www.ctio.noao.edu/~soarcam/soar_internal1.jpg

[6] http://www.ctio.noao.edu/~soarcam/inside_dome.jpg

[7] http://www.ctio.noao.edu/~soarcam/mirror_covers.jpg

[8] http://139.229.15.76/web/PachonSM/environ_dimm3.php

[9] <http://www.gemini.edu/sciops/telescopes-and-sites/weather/cerro-pachon/envmon/>

[10]

<http://www.wunderground.com/wundermap/?lat=-30.16667&lon=-70.80000&zoom=7&type=hybrid&units=english&pin=Cerro+Tololo%2C+Vic%C3%B1a%2C+Coquimbo+Region%2C+Chile&lat=-30.16667&lon=-70.80000&tl.play=0&tl.spd=2&viewportstart=now-26021&viewportend=now-11621&groupSevere=1&groupHurricane=1&groupFire=1&groupCamsPhotos=1&groupRealEstate=1&eyedropper=0&extremes=0&fault=0&favs=1&femaflod=0&fire=0&firewfas=0&fissures=0&fronts=0&hurvac=0&hur=0&labels=0&lightning=0&livesurge=0&mm=0&ndfd=0&rad=0&dir=1&dir.mode=driving&sst=0&sat=1&sat.num=1&sat.spd=25&sat.opa=85&sat.gtt1=109&sat.gtt2=109&sat.type=IR4&seismicrisk=0&svr=0&ski=0&snowfall=0&stormreports=0&tor=0&tfk=0&tsunami=0&riv=0&wxsn=0&cams=0&pix=0>

[11] <https://www.wunderground.com/maps/satellite/infrared/ssamr>

[12] <http://www.ls.eso.org/lasilla/dimm/meteo.html>

[13] https://www.meteoblue.com/en/weather/week/Cerro+Pachon_-30.238N-70.734E2698_America%2FSantiago?day=2

[14]

https://www.meteoblue.com/en/weather/outdoorsports/seeing/Cerro+Pachon_-30.238N-70.734E2698_America%2FSantiago

[15] <https://www.ventusky.com/?p=-30.221;-70.665;9&l=clouds>

[16] https://www.yr.no/place/Chile/Coquimbo/Observatorio_Astron%C3%B3mico_Cerro_Tololo/

[17] <https://www.windytv.com/-30.238/-70.734>

[18] https://time.is/La_Serena

[19] <http://www.meteochile.gob.cl/PortalDMC-web/index.xhtml>

[20] <http://www.ctio.noao.edu/noao/content/sky-conditions>

[21] <http://www.zeus.iag.usp.br/index.php?lan=en>

[22] http://www.ctio.noao.edu/~seecam/CTIO_webcam.jpg

[23] <http://www.gemini.edu/sciops/telescopes-and-sites/weather/cerro-pachon/cameras/>

[24] <http://139.229.15.155:1217>

[25] http://ctio4l.ctio.noao.edu/web/CTIO/environ_dimm2.php

[26] http://139.229.13.48/view/viewer_index.shtml?id=3413