

Diagrama Skew-T

—

Decker Guzman Zabalaga

Ubicación de la máquina

SO: Versión 20.04.3 LTS
(Focal Fossa) de 64 bits

SOFTWARE

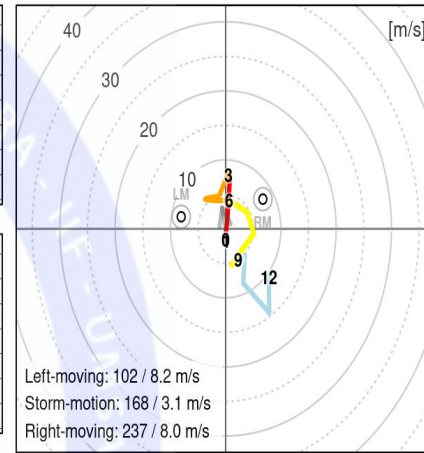
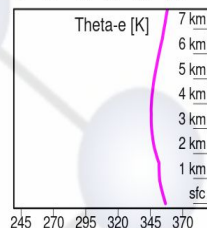
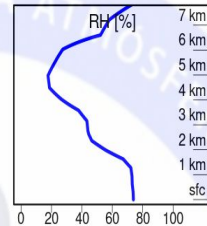
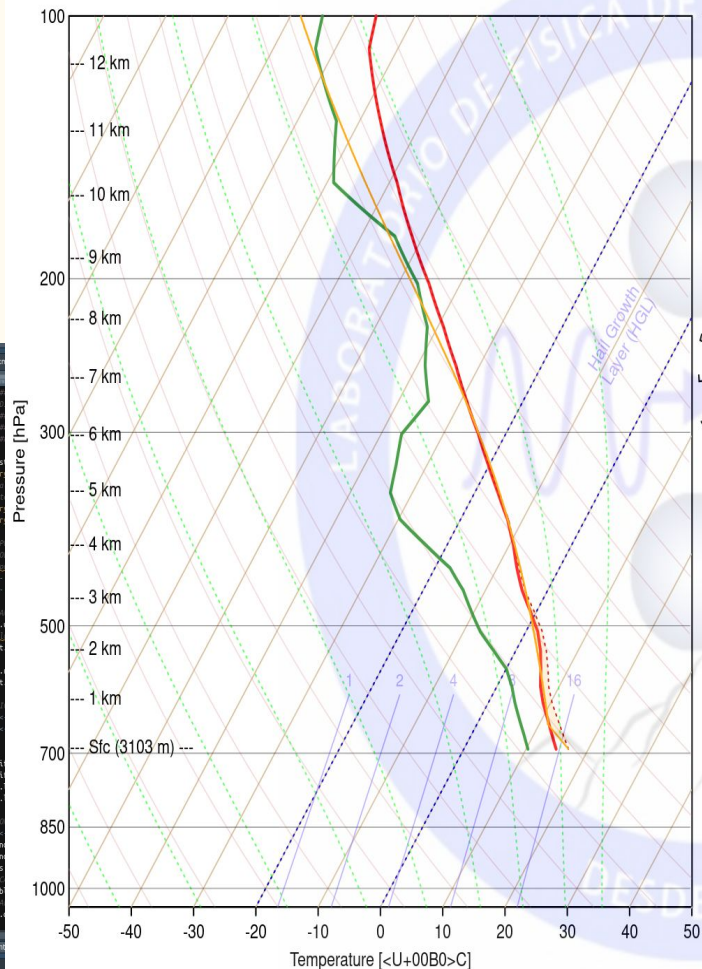
Memoria : 3.8 GB

Procesador: intel® Core™2
Quad CPU Q6700 @
2.66GHz × 4

Graficos: Mesa DRI Intel®
G33



Aeropuerto El Alto GFS 50km: 2021-11-30



| | MIXR | CAPE | CAPE03 | CAPEHGL | CIN | LI | LCL | LFC | EL | WMAXSHEAR |
|----|--------|---------|--------|---------|--------|-------|-----|-----|---------|-----------|
| | [g/kg] | [J/kg] | [J/kg] | [J/kg] | [J/kg] | [K] | [m] | [m] | [m] | [m2/s2] |
| SB | 11.4 | -362460 | -36249 | -971801 | 525 | 3110 | 0 | NaN | (E NaN) | |
| MU | 11.4 | -362460 | -36249 | -971801 | 525 | 3110 | 0 | NaN | (E NaN) | |
| ML | 10.6 | -362590 | -36259 | -976041 | 775 | 36370 | 0 | NaN | (E NaN) | |

| Bulk wind shear | SRH RM | SRH LM | Mean wind | Lapse rate |
|-----------------|----------------|---------|-----------------|-----------------|
| [m/s] | [m2/s2] | [m2/s2] | [m/s] | [K/km] |
| Sfc - 1 km: 0.2 | Sfc - 100 m: 0 | 0 | Sfc - 1 km: 1.6 | Sfc - 1 km: 6.3 |
| Sfc - 3 km: 9.3 | Sfc - 500 m: 0 | 0 | Sfc - 2 km: 0.9 | Sfc - 3 km: 5.9 |
| Sfc - 6 km: 5.6 | Sfc - 1 km: -2 | 2 | 1 - 3 km: 2.5 | 3 - 6 km: 7.1 |
| Sfc - 8 km: 3.4 | Sfc - 3 km: 57 | -79 | Sfc - 6 km: 3.1 | 500700 hPa: 5.6 |
| Sfc - HGL: 6.4 | | | | |

| | | | |
|------------------|------------------------|---------------------------|------------|
| Effec. (SB): 0.0 | Precip. water [mm]: 20 | Moisture flux [g/s/m2]: 8 | SHIP: 56.3 |
| Effec. (MU): 0.0 | 2 - 5 km RH [%]: 41 | 4 km DCAPE [J/kg]: 557 | SCP: -0.0 |
| Effec. (ML): 0.0 | Sfc - 2 km RH [%]: 70 | 4 km delta theta-e [K]: 8 | STP: 0.0 |

thunder - rawinsonde processing tool for R v1.0 (2021)

-Formato
(Mes-Dia-Anho).
png y salidas de
datos en .txt

-Compresión de
figura y datos en
formato zip

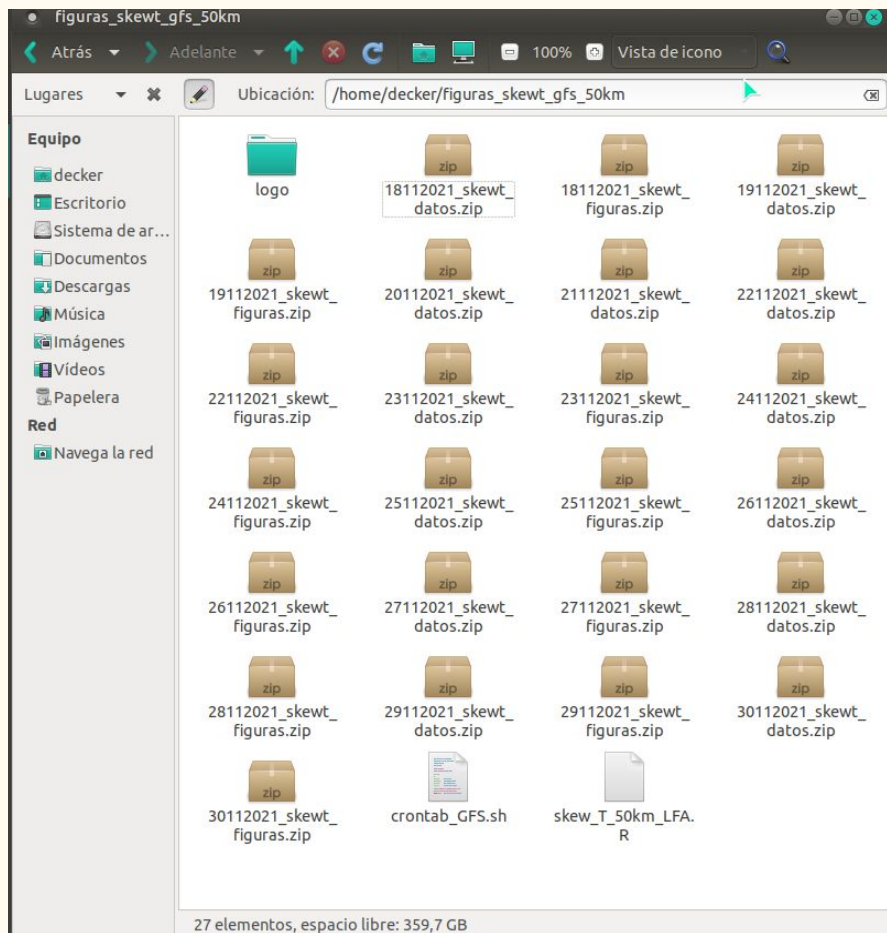
-Envío a correo
electrónico

Código para que ejecuta crontab

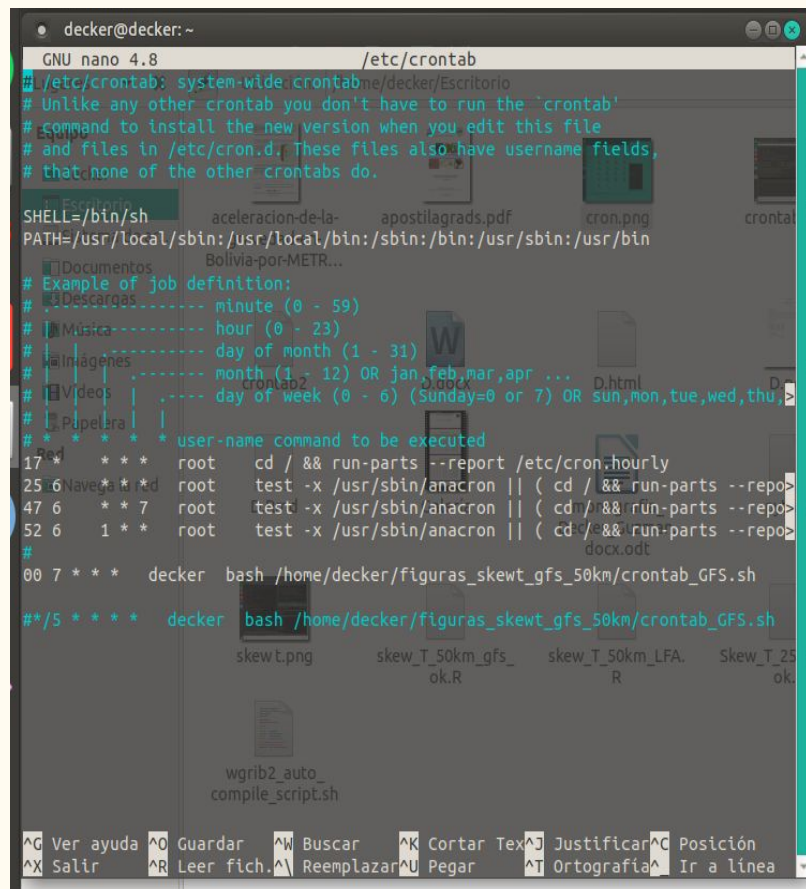
(/home/decker/figuras_skewt_gfs_50km/crontab_GFS.sh)

```
1 #!/bin/bash
2 ####AUTOR:DECKER GUZMAN ZABALAGA#####
3 #####CODIGO PARA EJECUTAR LAS SALIDAS DEL DIAGRAMA SKEW-T####
4 export mes=`date +%m`
5 export dia=`date +%d`
6 export ano=`date +%Y`
7 export fecha=${dia}${mes}${ano}
8 echo $fecha
9
10 Rscript /home/decker/figuras_skewt_gfs_50km/skew_T_50km_LFA.R
11
12 cd /home/decker/figuras_skewt_gfs_50km/
13 cp /home/decker/figuras_skewt_gfs_50km/logo/logoLFA.png .
14
15 composite -dissolve 10 \( "logoLFA.png" -resize 300% \) -gravity center EL_ALTO_AEROPUERTO.png EL_ALTO_AEROPUERTO_ok.png
16 composite -dissolve 10 \( "logoLFA.png" -resize 300% \) -gravity center TRINIDAD.png TRINIDAD_ok.png
17 composite -dissolve 10 \( "logoLFA.png" -resize 300% \) -gravity center Cochabamba.png Cochabamba_ok.png
18 composite -dissolve 10 \( "logoLFA.png" -resize 300% \) -gravity center Oruro.png Oruro_ok.png
19 composite -dissolve 10 \( "logoLFA.png" -resize 300% \) -gravity center Santa_Cruz.png Santa_Cruz_ok.png
20
21 convert EL_ALTO_AEROPUERTO_ok.png ${fecha}_EL_ALTO_AEROPUERTO.png
22 convert TRINIDAD_ok.png ${fecha}_TRINIDAD.png
23 convert Cochabamba_ok.png ${fecha}_Cochabamba.png
24 convert Oruro_ok.png ${fecha}_Oruro.png
25 convert Santa_Cruz_ok.png ${fecha}_Santa_Cruz.png
26
27 zip ${fecha}_skewt_datos *.txt
28 zip ${fecha}_skewt_figuras ${fecha}_*.png
29
30
31
32 echo "Este mensaje contiene informacion de imagenes y datos de las salidas del modelo GFS." | mail -s "Diagramas Skew-T con el
33     modelo GFS" lblacutt@fiums.edu.bo -A ${fecha}_skewt_figuras.zip -A ${fecha}_skewt_datos.zip
34
35 rm *.png
36 rm *.txt
```


Archivo de entrada y salida



Archivo de entrada y salida



RECIBIMIENTO DE CORREO

Diagramas Skew-T con el modelo GFS >



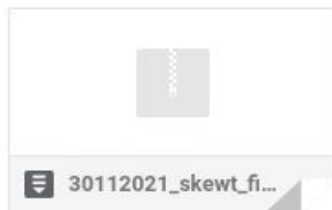
decker <deckerfis@gmail.com>
para lblacutt ▾

📎 7:02 (hace 4 horas)



Este mensaje contiene informacion de imagenes y datos de las salidas del modelo GFS

2 archivos adjuntos



↩ Responder

➡ Reenviar

Cambiar el correo

```
decker@decker: /etc/postfix
GNU nano 4.8 /etc/postfix/main.cf
# Debian specific: Specifying a file name will cause the first...
# line of that file to be used as the name. The Debian default
# is /etc/mailname
#myorigin = /etc/mailname
smtpd_banner = $myhostname ESMTPE $mail_name (Ubuntu)
biff = no

# appending .domain is the MUA's job.
append_dot_mydomain = no

# Uncomment the next line to generate "delayed mail" warnings
#delay_warning_time = 4h

readme_directory = no

# See http://www.postfix.org/COMPATIBILITY_README.html -- default to 2 on
# fresh installs.
compatibility_level = 2

# TLS parameters
smtpd_tls_cert_file=/etc/ssl/certs/ssl-cert-snakeoil.pem
smtpd_tls_key_file=/etc/ssl/private/ssl-cert-snakeoil.key
smtpd_tls_security_level=may

smtp_tls_CApath=/etc/ssl/certs
smtp_tls_security_level=may
smtp_tls_session_cache_database = btree:${data_directory}/smtp_scache

smtpd_relay_restrictions = permit_mynetworks permit_sasl_authenticated defer_un
myhostname = decker
alias_maps = hash:/etc/aliases
alias_database = hash:/etc/aliases
mydestination = decker, localhost.localdomain, localhost

mynetworks = 127.0.0.0/8 [::ffff:127.0.0.0]/104 [::1]/128
mailbox_size_limit = 0
recipient_delimiter = +
inet_interfaces = all
inet_protocols = all
```

