



VANUATU CLIMATE UPDATE

Vanuatu Meteorology and Geo-Hazard Department

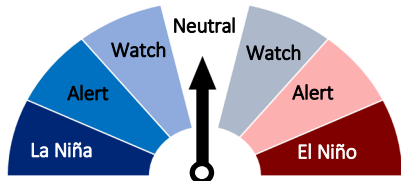


ISSUE 81

August 2021

OL HAELAET

ENSO Status: Neutral



Renfol blong pas tri manis:
May 2021 kasem July 2021

| | |
|--------------|--|
| Abav nomol: | |
| Nomol: | Sola, Pekoa, Lamap, Bauerfield, Aneityum |
| Bilou Nomol: | White-grass |

Level blong draot long las tri manis:
May 2021 kasem July 2021

| | |
|--------------|-------------------------------|
| Nogat Draot: | Sola, whitegrass and aneityum |
| Watch: | Pekoa, lamap and Bauerfield. |
| Draot: | |

4 wik Aotluk blong korel rif kasem
29 August 2021

| | |
|----------------|--------------|
| Nogat Stress: | Full Vanuatu |
| Waj: | |
| Woning | |
| Alert Level 1: | |
| Alert Level 2: | |

KLAEMET AOTLUK September 2021 – November 2021

RENFOR FOKAST

Overall Vanuatu: Yumi expectem abav nomol renfol long manis blong Septemba kasem November 2021.

Long **Noten Rijen**, Yumi expectem abav nomol renfol long full northern rijens.

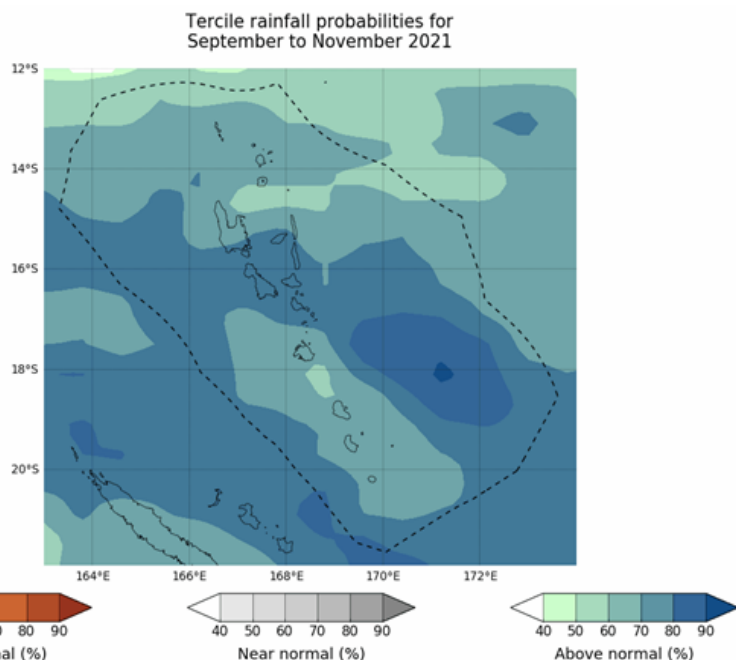
Konfidens blong fokas hemi moderate.

Long **Saoten Rijen**, Yumi sud expectem abav nomol renfol lo centrol mo full southern rijens.

Konfidens blong fokas hemi moderate.

ENSO outlook hemi move igo long La Nina WATCH.

3 MANIS RENFOR AOTLUK: SEPTEMBER 2021 — NOVEMBER 2021



© Commonwealth of Australia 2021, Australian Bureau of Meteorology
Shapelle data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <http://www.maritimerregions.org/>

Renfol outlook blo Vanuatu long nekis tri manis we I start long September kasem November, hemi soem se ol aelands blo yumi long Torba, Sanma, Penama, Malampa, Shefa mo Tafea Province bae oli likely blo expectem abav nomol renfol.

GENERAL LUKLUK

Southern Oscillation Index: SOI valiu blo we I end lo 26 Sep hemi +19.3 mo lo 90 days hemi +9.4.

Tred Win: pawa blong tred win hemi klosap long average akros lo tropical pacific.

Coral Bleaching Alert: Inogat stress long korel kasem 29 August. I minim se Janis blo ol korel oli kam wik o ded I nokat lo evri aeland blong Vanuatu.

Sea surface temperature (SST): Tempreja blong solwora hemi kasem 27-29°C antap long not, mo 24 -27°C daon long saot blong kaontri.

ENSO Aotluk: tempreja hemi stap go down mo Aotluk blong ENSO hemi stap long La Nina WATCH.

OI Model Fokas: Ol Klaemet model we VMGD istap yusum oli soem se tempreja blong solwora bae save colcol kasem mak blong wan La Nina samples October to Januari 2022.



VANUATU CLIMATE UPDATE

Vanuatu Meteorology and Geo-Hazard Department



ENSO TERMS

El Nino Southern Oscillation (ENSO):

Hemia hemi tokbaot saekol blong El Nino mo La Nina mo ifek we tufala igat long renfol blong yumi.

El Nino: Hemia hemi taem we ol tred win long



Pasifik oli lusum paoa blong olgeta mo ol wom wota oli mov igo long is. Long taem ia klaod nasara tu imuv wetem wom wota. Long Vanuatu wan El Nino hemi minim se bai renfol hemi go daon bitim nomol

La Nina: Hemia hemi taem we ol tred win long Pasifik oli kam



strong moa mo oli pusum ol wom wota igo long wes Pasifik mo movum klaod nasara tu igo lo wes. Hemia hemi oposit blong El Nino. Long Vanuatu La Nina hemi minim se bai i gat renfol we i bitim nomol. Samtaem oli stap talem se La Nina hemi wan anti-ENSO (anti-El Nino Southern Oscillation) event.

ENSO Situation Hemi Neutral: Hemi taem we inogat wan El Nino o wan La Nina.

SOI (Southern Oscillation Index): Hemia hemi mesament blong difrens long ea presa bitwin Darwin (12° S, 131° E) mo Tahiti (17°S, 150° W). Taem difrens hemi stap bitwin +7 mo -7 hemia iminim se yumi stap long wan Neutral ENSO. Taem difrens hemi bitim +7 hemia iminim se atmosfera hemi stap long condisen blong La Nina mo bai yumi save kasem plante ren. Be sapos hemi bitim -7 hemia iminim se atmosfera hemi stap long condisen blong El nino mo bai ples hemi save drae.

SST (Sea Surface Temperature): Tempereja o hot blong solwota.



Baias Towards: Taem model hemi soem se yumi usum probability blong calculetem se wanem probability nao hemi mo hae. Probability we hemi hae moa nao yumi usum olsem forecast blong yumi.

Konfidens: Taem model hemi givim wan aotluk, yumi usum konfidens blong luk se fokast ia i save hapen o no. Hae konfidens i minim se igat bigfala janis se fokast bai i hapen.

Drae Sisen: Hemi ol manis long evri yia we renfol i smol bitim ol narafala manis. Long Vanuatu drae sisen i stat long manis Mei kasem Oktoba. Drought: Taem we renfol long wan eria hemi go daon bitim averej renfol mo hemi stat blong afektem ol plant mo wota long graon, hemia oli talem se eria ia i stap long wan draot.

Favoured: Wanem nao com-puta hemi stap luk; se bae igat bigfala janis se se bai i hapen.

Fokast: Wan lukluk blong wanem bai i save hapen long fiuja. Wan narafala toktok we oli usum tu hemi "outlook". I gat weta fokast mo sisenal fokast. Klamet: Averej paten blong weta blong wan ples ova long wan longfala taem (eksambol 30 yia o moa).

Probability: Fasin blong calculetem se wanem nao janis blong wan event hemi happen. SCOPIC hemi wan probability model.

KLAEMET HEMI WANEM WE YU EXPECTEM BE WETA HEMI WANEM WE I HAPPEN O WANEM WE YU KASEM

Abav nomol renfol:

Renfol we hemi bigwan bitim averej renfol blong manis ia long wan station.



Nomol renfol: Renfol we i kasem averej amaon we yumi stap kasem oltaem blong manis ia.

Bilou nomol renfol: Renfol we i go daon tumas bitim averej

renfol blong manis ia.

Sisenal Fokast: Hemi lukluk long wanem kaem kondisen nao bai i save happen long ol manis we oli stap kam folem ol kondisen blong solwota mo ea (eksambol hemi renfol).

Verifikesen: Hemia wei blong checkem se renfol we yumi kasem long trifala manis we i pas hemi semak long wanem we yumi bin fokastem o no.

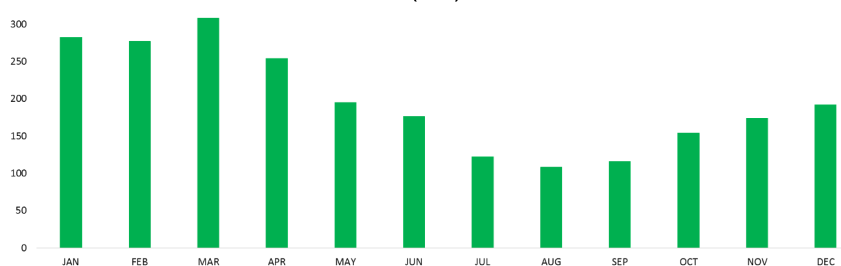
Weta: Kondisen blong ea olsem temperaja, renfol, spid blong win, long wan sot taem olsem samfala hour kasem samfala dei. Weta i jenis long evri dei mo ol jenis ia hemi isi blong yumi luk.

Weta Fokast: Hemi wan lukluk we yumi save expektem long wanem weta nao bai yumi save kasem nekis 2 wik.

Wet Sisen: (taem blong ren): Hemi ol manis long wan yia we yumi stap kasem tumas ren bitim ol narafala manis. Long Vanuatu taem blong ren hemi stap long Novemba kasem Epril long nekis yia.

HISOTORICAL RENFOL FOR ALL STATIONS IN VANUATU

MONTHLY AVERAGE RENFOL (MM)- BASED ON 30 YEARS OF DATA



| STATION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL ANNUAL |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|
| Sola | 395 | 361 | 417 | 443 | 385 | 312 | 246 | 323 | 270 | 376 | 373 | 355 | 4165 |
| Pekoa | 297 | 309 | 276 | 270 | 195 | 201 | 119 | 98 | 105 | 177 | 201 | 200 | 2448 |
| Lamap | 255 | 245 | 278 | 218 | 166 | 145 | 116 | 82 | 90 | 137 | 139 | 148 | 2019 |
| Bauerfield | 284 | 325 | 316 | 247 | 188 | 173 | 86 | 83 | 87 | 111 | 156 | 176 | 2232 |
| Port Vila | 274 | 209 | 319 | 233 | 170 | 154 | 103 | 92 | 91 | 107 | 141 | 183 | 2076 |
| Whitegrass | 175 | 199 | 198 | 124 | 88 | 87 | 59 | 54 | 60 | 58 | 71 | 90 | 1263 |
| Aneitym | 293 | 291 | 355 | 245 | 175 | 161 | 129 | 117 | 112 | 114 | 139 | 191 | 2322 |
| Vanuatu | 282 | 277 | 308 | 254 | 195 | 176 | 122 | 108 | 116 | 154 | 174 | 192 | 2358 |

CONTACT US

Call: (678) 23866

Email: climate@meteo.gov.vu

Visit: www.vmgd.gov.vu