



# VANUATU CLIMATE UPDATE

Vanuatu Meteorology and Geo-Hazard Department

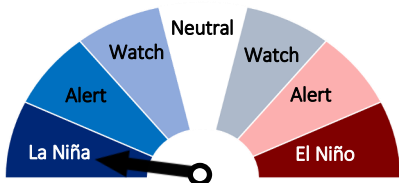


ISSUE 71

Oktoaba 2020

## HIGHLIGHTS

ENSO Status: La Niña



Renfol blong pas tri manis:  
Jul 2020 kasem Sep 2020

|              |  |
|--------------|--|
| Abav nomol:  | Sola, Aneityum                           |
| Nomol:       | Pekoa, Bauerfield, Port Vila, Whitegrass |
| Bilou Nomol: |  |

Verifikesen blong Fokas blong las tri manis:  
Jul 2020 kasem Sep 2020

|                                |                              |
|--------------------------------|------------------------------|
| Fokas hemi bin stret long:     | Bauerfield                   |
| Fokas hemi lelebet stret long: | Pekoa, Port Vila, Whitegrass |
| Fokas hemi no bin stret long:  | Sola, Aneityum               |

Level blong draot long las tri manis:  
Jul 2020 kasem Sep 2020

|              |  |
|--------------|--|
| Nogat Draot: | Sola, Pekoa, Bauerfield, Port Vila, Whitegrass, Aneityum |
| Woning:      |  |
| Draot:       |  |

Aotluk blong korel rif blong 6 Novemba 2020

|                |                               |
|----------------|-------------------------------|
| Nogat Stress:  | Shefa, Tafea                  |
| Waj:           | Torba, Sanma, Penama, Malampa |
| Woning         |                               |
| Alert Level 1: |                               |
| Alert Level 2: |                               |

## KLAEMET AOTLUK Nov 2020 – Jan 2021



### RENFOL FOKAST

**Overall Vanuatu:** Yumi expectem abav nomol renfol long trifala manis we istap kam.

**Noten Rijen:** Yumi sud expectem abav nomol renfol long Torba, Sanma, Penama mo Malampa.

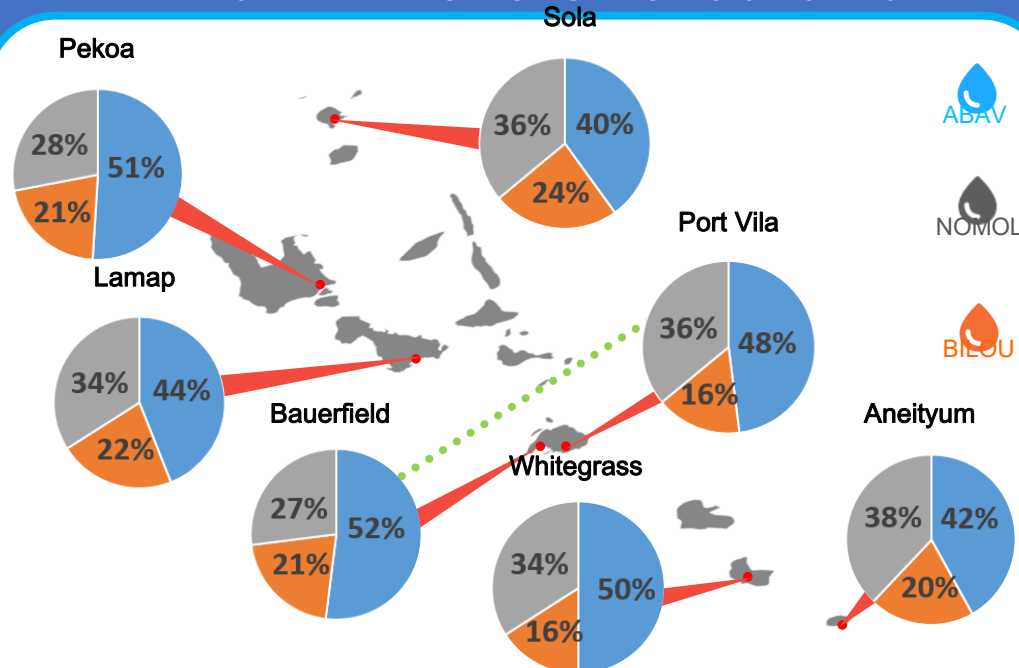
**Konfidens:** Good to High.

**Saoten Rijen:** Yumi sud expectem abav nomol renfol long Shefa mo Tafea.

**Konfidens:** Good to high.

**El Niño Southern Oscillation (ENSO)** hemi stap long **La Niña**. La Niña hemi taem we Vanuatu istap kasem plante hevi ren. La Niña I save kosem flading long ol eria we I low, lanslaed o madsaeld lo saed blo hill, mo I save mekem ol riva/krik oli ron strong.

### 3 MANIS RENFOL AOTLUK: NOV 2020 — JAN 2021



| Station    | Aotluk Hemi baias iko long | Bilou mm (probability) | Nomol mm (probability) | Abav mm (probability) |
|------------|----------------------------|------------------------|------------------------|-----------------------|
| Sola       | Abav nomol                 | <1046 (24%)            | 1046 — 1358 (36%)      | >1358 (40%)           |
| Pekoa      | Abav nomol                 | <591 (21%)             | 591 — 818 (28%)        | >818 (51%)            |
| Lamap      | Abav nomol                 | <412 (22%)             | 412 — 545 (34%)        | >545 (44%)            |
| Bauerfield | Abav nomol                 | <434 (21%)             | 434 — 681 (27%)        | >681 (52%)            |
| Port Vila  | Abav nomol                 | <424 (16%)             | 424 — 669 (36%)        | >669 (48%)            |
| Whitegrass | Abav nomol                 | <258 (16%)             | 258 — 399 (34%)        | >399 (50%)            |
| Aneityum   | Abav nomol                 | <429 (20%)             | 429 — 672 (38%)        | >672 (42%)            |



## GENERAL LUKLUK

**Southern Oscillation Index (SOI):** SOI valu blong las 90 dei kasem 25 Oktoaba hemi +7.4. Valu ya I soem se SOI hemi kambak long nomol.

**Tred Win:** Tred Win long Pacific Ocean hemi strong bitim nomol.

**Coral Bleaching Alert:** Inogat stress long ol korel ova long Vanuatu long manis blong Oktoka. Fokas I soem se bae inogat stress long ol korel ova long Vanuatu kasem nekis tri manis.

### Sea Surface Temperature (SST):

Tempreja blong solwora hemi wom plante long Vanuatu.

**Ol Model Fokas:** Ol klaemet model we VMGD istap yusum oli shoem se La Niña we hemi aktiv naia long rijen bae hemi save stap kasem December 2020 bifo hemi stat blong go daon ely neks ya. Pawa blong La Niña hemi moderate—strong, hemia I minim se ol impak blong hem bae I lelebet semak long La Niña blong 2010-12. Be lukluk istap tu se bae event ya bae hemi no stap longtaem. Yumi ekspekt hemi blong La Niña ya bae I finis samples Jenuari, Februari o Maj 2021.

**La Niña Aotluk:** Wetem saeklon sisen we bae istat long Novemba 2020 kasem April 2021, Vanuatu I sud expectem 2–4 trop-pikol saeklon we bae krosem eria blong Vanuatu long sisen ya 2020/21. La Niña I save kontribut long flading, lanslaed, madsaeld, I save mekem ol riva/krik I ova flow mo ron strong, hevy ren I save spoem kakae long karen, mo I save damejem propeti long low graon. Long Vanuatu, impak blong La Niña hemi stap stat long ol noten aelans mo I move ikam daon long ol saoten aelans. Public I shud prepea from saeklon sisen mo ol impak blong La Niña we bae I folem.



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## 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 kondisen blong La Nina mo bai yumi save kasem plante ren. Be sapos hemi bitim -7 hemia iminim se atmosfera hemi stap long kondisen blong El Nino mo bai ples hemi save drae.

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

## GLOSSARY

**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.

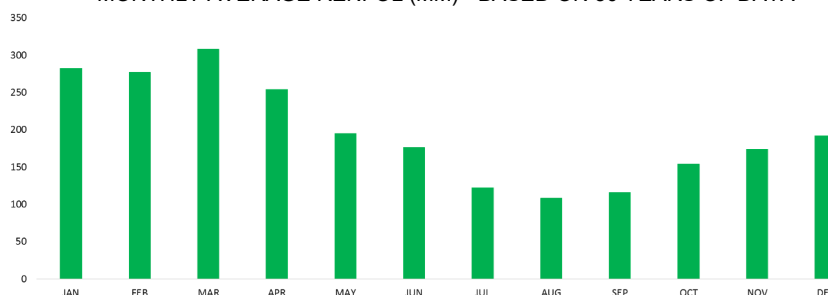
**Weta:** Kondisen blong ea olsem temperaja, renfol, spid blong win, long wan sot taem olsem samfala hour kasem samfala dei. Weta i jenis long evri dei mo ol jenis ia hemi isi blong yumi luk.

**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         |
| Anelitym   | 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         |

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