



# VANUATU CLIMATE UPDATE

Vanuatu Meteorology and Geo-Hazard Department

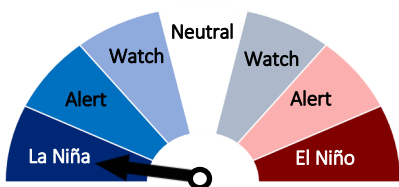


ISSUE 72

Novemba 2020

## HIGHLIGHTS

ENSO Status: La Niña



Renfol blong pas tri manis:  
Okis 2020 kasem Oktoba 2020

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

Verifikesen blong Fokas blong las tri manis:  
Okis 2020 kasem Oktoba 2020

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

Level blong draot long las tri manis:  
Okis 2020 kasem Oktoba 2020

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

Aotluk blong korel rif blong 07 Feb 2021

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

## KLAEMET AOTLUK Dec 2020 – Feb 2021



### RENFOL FOKAST

**Overall Vanuatu:** Yumi expectem abav nomol renfol long manis blong Disemba 2020 kasem Februari 2021.

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

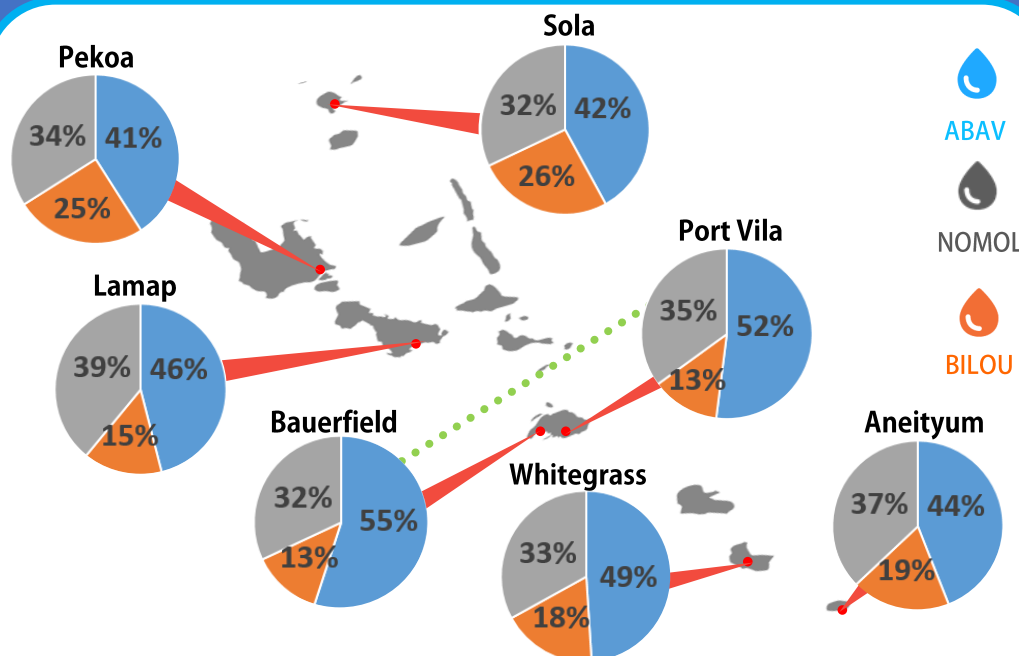
**Konfidens:** Low to Moderate.

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

**Konfidens:** Moderate to Good.

**El Niño Southern Oscillation (ENSO)** hemi stap long **La Niña**. Vanuatu I sud expectem blo kasem abav nomol renfol long neks tri manis.

### 3 MANIS RENFOL AOTLUK: DEC 2020 — FEB 2021



Station	Aotluk Hemi baias iko long	Bilou mm (probability)	Nomol mm (probability)	Abav mm (probability)
Sola	Abav nomol	<998 (26%)	998 — 1210 (32%)	>1210 (42%)
Pekoa	Abav nomol	<698 (25%)	698 — 908 (34%)	>908 (41%)
Lamap	Abav nomol	<496 (15%)	496 — 688 (39%)	>688 (46%)
Bauerfield	Abav nomol	<627 (13%)	627 — 865 (32%)	>865 (55%)
Port Vila	Abav nomol	<606 (13%)	606 — 808 (35%)	>808 (52%)
Whitegrass	Abav nomol	<355 (18%)	355 — 537 (33%)	>537 (49%)
Aneityum	Abav nomol	<567 (19%)	567 — 860 (37%)	>860 (44%)



## GENERAL LUKLUK

**Southern Oscillation Index (SOI):** SOI valu blong las 90 dei kasem 22 Novemba hemi +7.9. Valu ya I soem se SOI hemi stap long mak blong wan La Niña.

**Tred Win:** Pawa blong Tred Win long Pacific Ocean hemi go antap plante comperem wetem 2 wiks I pas.

**Coral Bleaching Alert:** Ol korel oli save kasem Alert Level 1 long February 2021. Alert Level 1 I minim se bae save gat bleaching long ol corel stat long manis blong February 2021.

## 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 longaem. Yumi ekspectem blong La Niña ya bae I finis samples Februari 2021.

**La Niña Aotluk:** VMGD I wantem letem public I save se La Niña hemi save kosem plante hevy ren long Vanuatu. Wetem saeklon sisen we bae istat long Novemba 2020 kasem April 2021, La Niña I save kontribut long flading, lanslaed, madsaied, I save mekem ol riva/krik I ova flow mo ron strong, hevy ren I save spolem 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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## 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 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.

## CONTACT US

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**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.

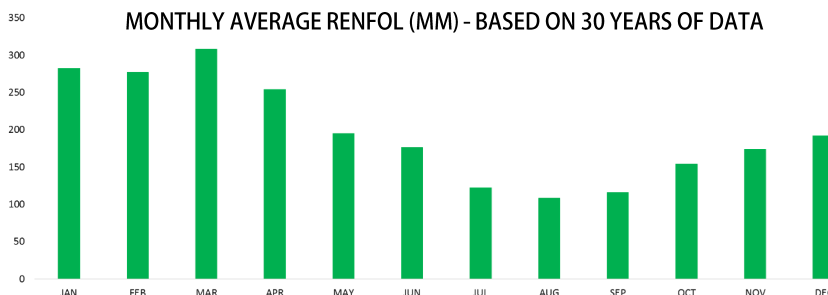
**Weta:** Kondisen blong ea olsem temperaja, renfol, spid blong win, long wan sot taem olsem samfala hour kasem samfala dei. Weta i jenis long evri dei mo ol jenis ia hemi isi blong yumi luk.

**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