



VANUATU CLIMATE UPDATE

Vanuatu Meteorology and Geo-Hazard Department

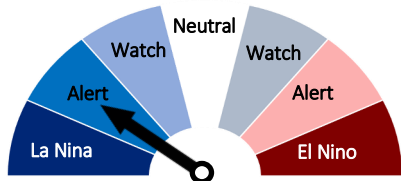


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HIGHLIGHTS

ENSO Status: La Niña ALERT



Renfol blong pas tri manis:
Jun 2020 kasem Okis 2020

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

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

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

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

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

Aotluk blong korel rif kasem
8 Novemba 2020

Nogat Stress:	Evri aelan tru aot long Vanuatu
Waj:	
Woning:	
Alert Level 1:	
Alert Level 2:	

KLAEMET AOTLUK Oct 2020 – Dec 2020

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.

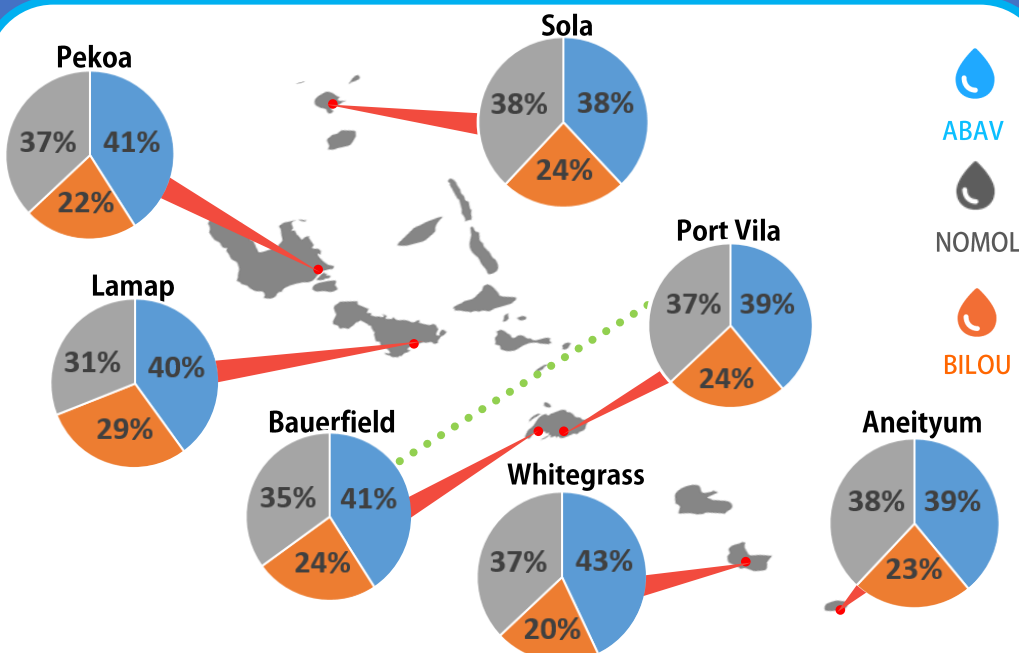
Konfidens: Good to High.

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

Konfidens: Good to high.

El Niño Southern Oscillation (ENSO) hemi muv igo long **La Niña ALERT**. Hemia I min-im se igat 70% jans blo wan La Niña I save develop long manis blong Octoba kasem en blong yia 2020. La Niña hemi taem we Vanuatu istap kasem plante hevvy ren.

3 MANIS RENFOL AOTLUK: OCT — DEC 2020



Station	Aotluk Hemi baias iko long	Bilou mm (probability)	Nomol mm (probability)	Abav mm (probability)
Sola	Nomol/Abav nomol	<922 (24%)	922 — 1350 (38%)	>1350 (38%)
Pekoa	Abav nomol	<423 (22%)	423 — 607 (37%)	>607 (41%)
Lamap	Abav nomol	<326 (29%)	326 — 450 (31%)	>450 (40%)
Bauerfield	Abav nomol	<314 (24%)	314 — 554 (35%)	>554 (41%)
Port Vila	Abav nomol	<309 (24%)	309 — 494 (37%)	>494 (39%)
Whitegrass	Abav nomol	<139 (20%)	139 — 209 (37%)	>209 (43%)
Aneityum	Abav nomol	<314 (23%)	314 — 503 (38%)	>503 (39%)

GENERAL LUKLUK

Southern Oscillation Index (SOI): SOI valu blong las 90 dei kasem 13 Septemba hemi +5.0. Valu ya I soem se SOI hemi stap yet long nutrel.

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

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

Sea Surface Temperature (SST):

Tempreja blong solwora long tropikol Pacific hemi continu blong colcol long ol wik we I pas. Paten ya hemi stap soem saen blong wan ely steij blong wan La Niña.

Ol Model Fokas: Ol klaemet model we VMGD istap yusum oli shoem se tempereja blong solwota ova long tropikol Pacific bae hemi continu blong colcol, mo sapos wan La Niña I develop, bae hemi save kasem yumi samples long manis blong Octoba kasem en blong yia 2020.

ENSO Event Aotluk: VMGD I wantem letem public I save se janis blong wan La Niña blong develop long ol manis we I stap kam istap long 70%. La Niña hemi save kosem plante hevvy ren long Vanuatu, we I save mekem level blong wota I kam antap plante long ol eria we I low, I save kosem flading long saed blong ol river/creek, mo I save mekem graon I foldaon long saed blong hill (landslide/mudslide). VMGD bae hemi continu blong monitorem situesen, mo bae hemi givim apeit sapos janis blong yumi kasem La Niña ya hemi go antap.



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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 muvum 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.

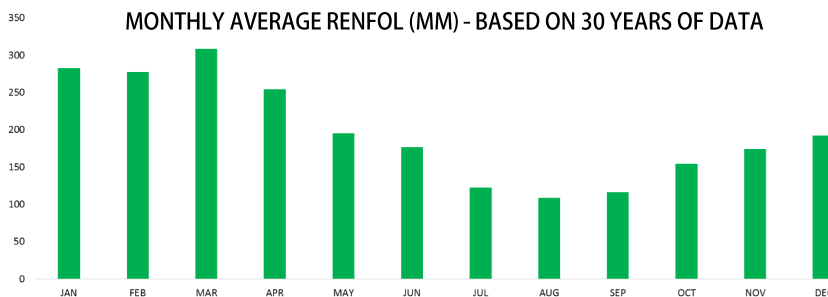
Weta: Kondisen blong ea olsem temperaja, renfol, spid blong win, long wan sot taem olsem samfala hour kasem samfala dei. Weta i jenis long evri dei mo ol jenis ia hemi isi blong yumi luk.

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

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