



VANUATU CLIMATE UPDATE

Vanuatu Meteorology and Geo-Hazard Department

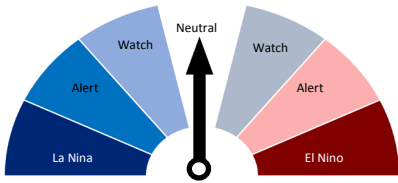


ISSUE 65

Eprel 2020

OL HAELAET

ENSO Status: Neutral



Renfol blong pas tri manis:
Jenuari 2020 kasem Maj 2020

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

Akuresi blong Fokas blong las tri manis:
Jenuari 2020 kasem Maj 2020

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

Level blong draot long las tri manis:
Jenuari 2020 kasem Maj 2020

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

Aotluk blong korel rif tru aot long kaontri:
May 2020

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

KLAEMET AOTLUK: Mei 2020 – Julae 2020



RENFOL FOKAST

Fokast blong manis Mei 2020 kasem Julae 2020.

Overall Vanuatu: Fokas blong renfol hemi abav-nomol long Torba, mo bilou nomol long Shefa mo Tafea. Ol nara pat blong country, renfol fokas hemi baias igo long nomol.

Renfol blong ol spesifik steisen long noten rijen: Long Sola mo Lamap, fokas I soem bilou-nomol to nomol renfol. Long Pekoa, fokas I baias igo long bilou-nomol.

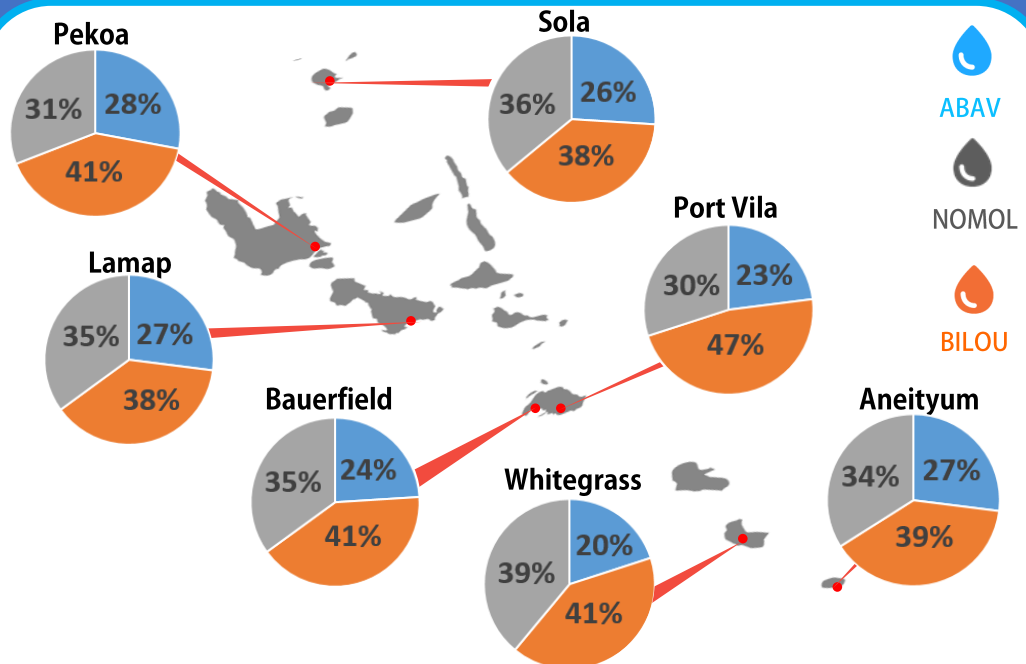
Konfidens blong model hemi moderate long Pekoa mo low long Sola mo Lamap.

Renfol blong ol spesifik steisen long saoten rijen: Long Bauerfield, Port Vila mo Aneityum, fokas I baias igo long bilou-nomol. Mo long Whitegrass, fokas hemi soem bilou-nomol to nomol renfol.

Konfidens blong model hemi hae long Port Vila, moderate long Bauerfield mo Whitegrass, mo low long Aneityum.

El Niño Southern Oscillation (ENSO) istap long neutral. Inogat wan El Nino, o La Nina.

3 MANIS RENFOL AOTLUK: SCOPIC MODEL



ABAV



NOMOL



BILOU

Station	Aotluk Hemi baias iko long	Bilou mm (probability)	Nomol mm (probability)	Abav mm (probability)
Sola	Nomol—Bilou nomol	<745 (38%)	745 —1172 (36%)	>1172 (26%)
Pekoa	Bilou nomol	<316 (41%)	316 — 560 (31%)	>560 (28%)
Lamap	Nomol—Bilou nomol	<307 (38%)	307 — 454 (35%)	>454 (27%)
Bauerfield	Bilou nomol	<310 (41%)	310 — 522 (35%)	>522 (24%)
Port Vila	Bilou nomol	<301 (47%)	301 — 478 (30%)	>478 (23%)
Whitegrass	Nomol—Bilou nomol	<181 (41%)	181 — 263 (39%)	>263 (20%)
Aneityum	Bilou nomol	<359 (39%)	359 — 524 (34%)	>524 (27%)



GENERAL LUK LUK

Sea Surface Temperature (SST):

SST long beginning blong Eprel ibin kasem 29.0°C to 30.0°C ova Torba, Sanma mo Penama. Wom tempreja ibin contribute blong developem TC Harold. Tempreja ibin kambak long nomol afta we TC Harold I pas. Fokast I soem se tempereja blong manis May 2020 I save kasem 28.0°C to 30.0°C ova long ol noten aelans, mo 26.0°C to 27.0° long central mo saoten pat blong kaontri.

Coral Bleaching Alert: Ol aelan long Torres oli bin stap long Alert Level 1 long beginning blong Eprel. Watch Alert ibin stap ova ol nara aelan long Torba, Sanma, Penama, Malampa mo Shefa. Inogat Stress ova long Tafea. Fokast I soem se chance blong kasem Coral Bleaching long May 2020 hemi low.

Tred Win: Spid blong win we istap kam everi taem long SE hemi stap long average long las wik (7th—12th Eprel). Average win speed I minim se ENSO istap long neutral.

Southern Oscillation Index (SOI): SOI valiu blong 30 days we I end lo 12 April hemi -7.0, mo 90 day valiu hemi -2.8. Tufala valiu istap long renj blong ENSO neutral.

OI Model Fokast: Lukluk istap se tempereja blong solwora long Pacific bae istap long ENSO neutral kasem Jun to Okis 2020.

ENSO Event Aotluk: VMGD I wantem infomem ol pipol long Vanuatu se inogat wan El Nino o La Nina long rijen.



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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 presa blong ea 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):



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.

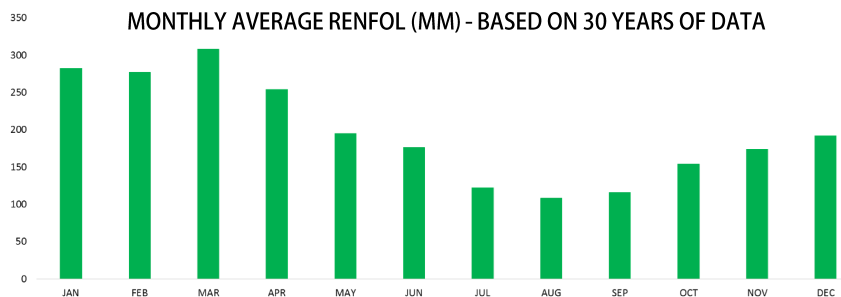
Weta: Kondisen blong ea olsem temperaja, renfol, spid blong win, long wan sot taem olsem samfala hour kasem samfala dei. Weta i jenis long evri dei mo ol jenis ia hemi isi blong yumi luk.

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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