Confusion Matrix for NOAA, CCI and Coral Core predictability of Coral Bleaching

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Reef	Balanced	Accuracy	F1	Sensitivit	Specificit	y Pos	Neg	AUC	Lower	Upper	Kappa	MCC	Detection	onDetection	nPrevalence
	Accu-					Pred	Pred		CI	CI			Rate	Preva-	
	racy					Value	Value							lence	
Browse	0.90	0.81	0.22	1.00	0.80	0.12	1.00	0.90	0.85	0.95	0.18	0.32	0.03	0.22	0.03
Island															
Cocos	0.84	0.92	0.67	0.75	0.94	0.60	0.97	0.84	0.68	1.00	0.62	0.62	0.08	0.14	0.11
(Keel-															
ing)															
Is-															
lands															
Ningaloc	0.57	0.86	0.17	0.25	0.90	0.12	0.95	0.57	0.33	0.82	0.10	0.11	0.01	0.11	0.06
Reef															
Scott	0.55	0.78	0.20	0.25	0.84	0.17	0.90	0.55	0.47	0.62	0.08	0.08	0.03	0.17	0.11
Reef															

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Reef	Balanced	Accuracy	F1	Sensitivit	Specifici	ty Pos	Neg	AUC	Lower	Upper	Kappa	MCC	Detection	nDetection	nPrevalence
	Accu-					Pred	Pred		CI	CI			Rate	Preva-	
	racy					Value	Value							lence	
Browse	0.82	0.66	0.15	1.00	0.65	0.08	1.00	0.82	0.76	0.88	0.10	0.23	0.03	0.38	0.03
Island															
Cocos	0.62	0.91	0.40	0.25	1.00	1.00	0.90	0.62	0.46	0.79	0.37	0.48	0.03	0.03	0.12
(Keel-															
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Is-															
lands															
Ningaloo	0.58	0.86	0.18	0.25	0.90	0.14	0.95	0.58	0.33	0.82	0.11	0.12	0.02	0.11	0.06
Reef															
Scott	0.73	0.72	0.40	0.75	0.71	0.27	0.95	0.73	0.65	0.81	0.26	0.32	0.09	0.35	0.12
Reef															

Reef	Ralanced	Accuracy	F1	Sensitivit	Specificit	y Pos	Neg	AUC	Lower	Upper	Kappa	MCC	Detection	nDetection	Prevalence
TCCT	Accu-	Trecuracy	11	OCHSTOTVIC	фрестего	Pred	Pred	1100	CI	CI	тарра	MOO	Rate	Preva-	ii icvaiciic
	racy					Value	Value		-	-				lence	
Browse	0.83	0.67	0.14	1.00	0.66	0.08	1.00	0.83	0.77	0.88	0.10	0.22	0.03	0.36	0.03
Island															
Cocos	0.73	0.72	0.38	0.75	0.72	0.25	0.96	0.73	0.56	0.90	0.25	0.31	0.08	0.33	0.11
(Keel-															
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Is-															
lands															
Ningaloo	0.75	0.81	0.29	0.67	0.82	0.18	0.98	0.75	0.54	0.96	0.22	0.28	0.04	0.20	0.06
Reef															
Scott	0.62	0.72	0.29	0.50	0.75	0.20	0.92	0.62	0.54	0.71	0.15	0.18	0.06	0.28	0.11
Reef															

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Reef	Balanced	Accuracy	F1	Sensitivit	S pecificit	y Pos	Neg	AUC	Lower	Upper	Kappa	MCC	Detection	onDetection	nPrevalenc
	Accu-					Pred	Pred		CI	CI			Rate	Preva-	
	racy					Value	Value							lence	
Browse	0.76	0.53	0.12	1.00	0.52	0.06	1.00	0.76	0.70	0.82	0.06	0.18	0.03	0.50	0.03
Island															
Cocos	0.71	0.88	0.50	0.50	0.93	0.50	0.93	0.71	0.53	0.90	0.43	0.43	0.06	0.12	0.12
(Keel-															
ing)															
Is-															
lands															
Ningaloo	0.69	0.86	0.32	0.50	0.89	0.23	0.96	0.69	0.47	0.92	0.25	0.28	0.03	0.14	0.06
Reef															
Scott	0.69	0.64	0.34	0.75	0.63	0.22	0.95	0.69	0.61	0.77	0.19	0.25	0.09	0.42	0.12
Reef															

	Table 5:	Confusion	Matrix	for pr	redictabi	lity of	bleaching	using	Degree	Heating	Months v	alues from	Coral (Core C	CI c	lata
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Reef	Balanced	Accuracy	F1	Sensitivit	Specificity	y Pos	Neg	AUC	Lower	Upper	Kappa	MCC	Detection	nDetection	Prevalence
	Accu-					Pred	Pred		CI	CI			Rate	Preva-	
	racy					Value	Value							lence	
Cocos	0.53	0.56	0.15	0.5	0.57	0.09	0.93	0.53	0.03	1	0.02	0.04	0.04	0.44	0.08
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	Accu-			Pred	Pred		$_{\rm CI}$	

Reef	Balanced	Accuracy	F1	Sensitivit	Specifici	ty Pos	Neg	AUC	Lower	Upper	Kappa	MCC	Detection	nDetection	nPrevalen
	Accu-					Pred	Pred		CI	CI			Rate	Preva-	
	racy					Value	Value							lence	
Cocos	0.53	0.56	0.15	0.5	0.57	0.09	0.93	0.53	0.03	1	0.02	0.04	0.04	0.44	0.08
(Keel-															
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		Γ	Cable 7: Degree Hea	ating Week Cor	nfusion Matrix			
	CCI DHW				NOAA DHW			
Reef	Balanced	Sensitivity	Specificity	AUC	Balanced	Sensitivity	Specificity	AUC
	Accuracy				Accuracy			
Browse	0.90	1.00	0.80	0.90	0.82	1.00	0.65	0.82
Island								
Cocos	0.84	0.75	0.94	0.84	0.62	0.25	1.00	0.62
(Keeling)								
Islands								
Ningaloo	0.57	0.25	0.90	0.57	0.58	0.25	0.90	0.58
Reef								
Scott Reef	0.55	0.25	0.84	0.55	0.73	0.75	0.71	0.73

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		T_{i}	able 8: Degree Hea	ting Month Co	nfusion Matrix			
	CCI DHM				NOAA DHM			
Reef	Balanced	Sensitivity	Specificity	AUC	Balanced	Sensitivity	Specificity	AUC
	Accuracy				Accuracy			
Browse	0.83	1.00	0.66	0.83	0.76	1.00	0.52	0.76
Island								
Cocos	0.73	0.75	0.72	0.73	0.71	0.50	0.93	0.71
(Keeling)								
Islands								
Ningaloo	0.75	0.67	0.82	0.75	0.69	0.50	0.89	0.69
Reef								
Scott Reef	0.62	0.50	0.75	0.62	0.69	0.75	0.63	0.69

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Table 9: Degree Heating Month Confusion Matrix for Coral Core									
	CCore CCI DHM				CCore NOAA DHM				
Reef	Balanced	Sensitivity	Specificity	AUC	Balanced	Sensitivity	Specificity	AUC	
	Accuracy				Accuracy				
Cocos	0.53	0.5	0.57	0.53	0.53	0.5	0.57	0.53	
(Keeling)									