

Typhoon Mitag

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Slope (degree)	<10	941899	1376	0.2	-0.004	0.204
	11-20	3663628	4171	-0.05	0.004	-0.054
	21-30	10904879	11791	-0.102	0.025	-0.127
	31-40	18467581	23714	0.071	-0.041	0.112
	41-50	12179411	14885	0.021	-0.006	0.027
	51-60	4511780	4838	-0.11	0.01	-0.12
	>60	1064557	1404	0.097	-0.002	0.099
Aspect	N	5206629	687	-2.208	0.095	-2.303
	NE	5417249	3074	-0.748	0.06	-0.808
	E	6171917	9452	0.247	-0.039	0.286
	SE	6566759	16266	0.731	-0.169	0.899
	SE	6893833	15690	0.645	-0.149	0.794
	SW	7653512	12945	0.347	-0.074	0.421
	W	7565876	3366	-0.992	0.102	-1.094
	NW	6257960	699	-2.375	0.117	-2.492
Landform	Convex ridge	16750291	17364	-0.144	0.062	-0.206
	Straight ridge	3097	9	0.891	0	0.892
	Concave ridge	9869843	11576	-0.02	0.005	-0.025

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Landform	Convex slope	284156	267	-0.243	0.001	-0.244
	Straight slope	192586	178	-0.259	0.001	-0.26
	Concave slope	293049	325	-0.077	0	-0.077
	Convex valley	9357679	11904	0.061	-0.014	0.075
	Straight valley	2811	4	0.174	0	0.174
	Concave valley	14980223	20552	0.137	-0.061	0.198
Elevation (m)	<250	691685	231	-1.279	0.01	-1.288
	251-500	2985766	5751	0.478	-0.038	0.516
	501-750	4547883	6824	0.227	-0.025	0.252
	751-1000	5721168	9282	0.305	-0.045	0.35
	1001-1250	5905411	8305	0.162	-0.023	0.185
	1251-1500	5340873	6002	-0.063	0.007	-0.07
	1501-1750	4787112	3781	-0.417	0.034	-0.451
	1751-2000	4576805	2369	-0.84	0.054	-0.894
	2001-2250	4360217	1616	-1.174	0.062	-1.236
	2251-2500	3923746	1577	-1.093	0.053	-1.146
	2501-2750	3329728	1576	-0.93	0.041	-0.97
	2751-3000	2827536	2979	-0.128	0.007	-0.135
	>3000	2735805	11886	1.297	-0.158	1.456

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Lithology	Slate	16674319	47444	-0.074	0.286	-0.36
	Sandstone-shale	2559427	10846	0.325	-0.057	0.382
	Meta-sandstone	548946	3349	0.692	-0.028	0.72
	Conglomerate	192675	0	N/A	0.01	0
	Gravel,sand	196081	278	-0.772	0.005	-0.778
Distance to lineation (m)	<200	2420980	9582	0.257	-0.04	0.297
	201-400	2197225	6263	-0.073	0.008	-0.081
	401-600	1916910	4119	-0.356	0.031	-0.387
	601-800	1738559	4180	-0.243	0.02	-0.263
	801-1000	1581085	3122	-0.441	0.03	-0.47
	1001-1200	1413848	3875	-0.112	0.008	-0.12
	1201-1400	1196792	3297	-0.107	0.006	-0.113
	1401-1600	1056968	3384	0.044	-0.002	0.046
	1601-1800	952481	2061	-0.349	0.014	-0.363
	1801-2000	847127	3618	0.333	-0.017	0.351
	>2000	4887200	18670	0.221	-0.082	0.303
Distance to stream (m)	<50	1256167	10172	0.977	-0.115	1.092
	51-100	1328887	6984	0.542	-0.052	0.593
	101-150	1273013	5226	0.294	-0.023	0.317
	151-200	1218657	3818	0.022	-0.001	0.024
	201-250	1174496	2874	-0.226	0.012	-0.238

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Distance to stream (m)	251-300	1136231	2652	-0.273	0.014	-0.287
	301-350	1097411	2368	-0.352	0.017	-0.368
	351-400	1055554	1930	-0.518	0.022	-0.54
	401-450	1018693	1971	-0.461	0.019	-0.48
	>450	9650066	24176	-0.202	0.154	-0.356
NDVI	<0	557743	12289	1.992	-0.193	2.185
	0-0.2	1016859	16566	1.684	-0.259	1.943
	0.2-0.4	3907887	17709	0.393	-0.122	0.514
	0.4-0.6	13281723	15541	-0.965	0.779	-1.743
	0.6-0.8	1444963	66	-4.209	0.073	-4.282

Typhoon Kalmaegi

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Slope (degree)	<10	941899	3167	-0.202	0.003	-0.206
	11-20	3663628	9876	-0.425	0.026	-0.451
	21-30	10904879	24655	-0.602	0.114	-0.716
	31-40	18467581	69837	-0.084	0.043	-0.127
	41-50	12179411	67532	0.304	-0.114	0.418
	51-60	4511780	30909	0.519	-0.066	0.585
	>60	1064557	7435	0.538	-0.015	0.553
Aspect	N	5206629	27933	0.27	-0.035	0.305
	NE	5417249	25391	0.133	-0.017	0.15
	E	6171917	19385	-0.271	0.032	-0.303
	SE	6566759	16764	-0.48	0.054	-0.534
	SE	6893833	19266	-0.389	0.048	-0.437
	SW	7653512	31923	0.015	-0.003	0.018
	W	7565876	40857	0.277	-0.056	0.332
	NW	6257960	31892	0.218	-0.034	0.252
Landform	Convex ridge	16750291	54931	-0.227	0.093	-0.32
	Straight ridge	3097	11	-0.147	0	-0.147
	Concave ridge	9869843	37750	-0.072	0.016	-0.088

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Landform	Convex slope	284156	1060	-0.097	0.001	-0.098
	Straight slope	192586	476	-0.512	0.001	-0.514
	Concave slope	293049	1168	-0.031	0	-0.031
	Convex valley	9357679	40800	0.06	-0.014	0.074
	Straight valley	2811	8	-0.37	0	-0.37
	Concave valley	14980223	77186	0.229	-0.11	0.339
Elevation (m)	<250	691685	160	-2.887	0.013	-2.9
	251-500	2985766	4930	-0.918	0.036	-0.954
	501-750	4547883	12003	-0.446	0.034	-0.48
	751-1000	5721168	20711	-0.128	0.015	-0.142
	1001-1250	5905411	17632	-0.322	0.035	-0.357
	1251-1500	5340873	24855	0.126	-0.015	0.142
	1501-1750	4787112	23181	0.166	-0.019	0.185
	1751-2000	4576805	18729	-0.004	0	-0.004
	2001-2250	4360217	17234	-0.039	0.004	-0.043
	2251-2500	3923746	19165	0.175	-0.016	0.191
	2501-2750	3329728	18046	0.28	-0.022	0.303
	2751-3000	2827536	15565	0.296	-0.02	0.316
	>3000	2735805	21200	0.644	-0.051	0.695

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Lithology	Slate	16674319	195524	0.11	-0.76	0.871
	Sandstone-shale	2559427	12639	-0.762	0.075	-0.836
	Meta-sandstone	548946	4628	-0.223	0.006	-0.229
	Conglomerate	192675	0	N/A	0.01	0
	Gravel,sand	196081	262	-2.072	0.009	-2.081
Distance to lineation (m)	<200	2420980	23954	-0.062	0.008	-0.07
	201-400	2197225	23640	0.023	-0.003	0.026
	401-600	1916910	22291	0.102	-0.011	0.113
	601-800	1738559	18283	0	0	0
	801-1000	1581085	15563	-0.067	0.005	-0.072
	1001-1200	1413848	9455	-0.457	0.027	-0.484
	1201-1400	1196792	10363	-0.196	0.011	-0.207
	1401-1600	1056968	13400	0.189	-0.011	0.201
	1601-1800	952481	13165	0.277	-0.016	0.292
	1801-2000	847127	12038	0.305	-0.016	0.32
	>2000	4887200	51251	-0.003	0.001	-0.004
Distance to stream (m)	<50	1256167	30646	0.856	-0.092	0.948
	51-100	1328887	20770	0.401	-0.035	0.436
	101-150	1273013	14423	0.075	-0.005	0.081
	151-200	1218657	11855	-0.079	0.005	-0.084
	201-250	1174496	10577	-0.157	0.009	-0.166

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Distance to stream (m)	251-300	1136231	10815	-0.101	0.006	-0.106
	301-350	1097411	9885	-0.156	0.008	-0.165
	351-400	1055554	8401	-0.281	0.013	-0.295
	401-450	1018693	8112	-0.281	0.013	-0.294
	>450	9650066	87919	-0.145	0.116	-0.261
NDVI	<0	1475267	110527	2.031	-0.659	2.69
	0-0.2	2615530	43219	0.458	-0.089	0.547
	0.2-0.4	4644276	32751	-0.403	0.094	-0.498
	0.4-0.6	8949972	25064	-1.331	0.463	-1.794
	0.6-0.8	2524130	1842	-2.678	0.126	-2.803

Typhoon Sinlaku

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Slope (degree)	<10	941899	1161	-0.451	0.007	-0.458
	11-20	3663628	3452	-0.72	0.038	-0.759
	21-30	10904879	12772	-0.502	0.1	-0.602
	31-40	18467581	37453	0.049	-0.028	0.077
	41-50	12179411	29176	0.216	-0.077	0.293
	51-60	4511780	12134	0.333	-0.038	0.371
	>60	1064557	4190	0.717	-0.022	0.739
Aspect	N	5206629	401	-3.227	0.102	-3.329
	NE	5417249	2450	-1.456	0.086	-1.541
	E	6171917	13407	0.118	-0.017	0.135
	SE	6566759	29405	0.847	-0.213	1.06
	SE	6893833	30503	0.835	-0.221	1.056
	SW	7653512	19527	0.28	-0.057	0.337
	W	7565876	3814	-1.347	0.119	-1.466
	NW	6257960	831	-2.682	0.121	-2.803
Landform	Convex ridge	16750291	27799	-0.152	0.065	-0.218
	Straight ridge	3097	0	N/A	0	0
	Concave ridge	9869843	17728	-0.073	0.016	-0.089

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Landform	Convex slope	284156	413	-0.286	0.001	-0.287
	Straight slope	192586	282	-0.278	0.001	-0.279
	Concave slope	293049	518	-0.089	0	-0.09
	Convex valley	9357679	18573	0.027	-0.006	0.033
	Straight valley	2811	6	0.1	0	0.1
	Concave valley	14980223	35036	0.192	-0.09	0.282
Elevation (m)	<250	691685	401	-1.207	0.009	-1.216
	251-500	2985766	10318	0.586	-0.05	0.635
	501-750	4547883	15895	0.597	-0.081	0.678
	751-1000	5721168	17488	0.462	-0.075	0.537
	1001-1250	5905411	19704	0.55	-0.098	0.649
	1251-1500	5340873	9492	-0.084	0.009	-0.093
	1501-1750	4787112	8694	-0.062	0.006	-0.068
	1751-2000	4576805	5578	-0.462	0.035	-0.498
	2001-2250	4360217	3657	-0.837	0.051	-0.888
	2251-2500	3923746	2743	-1.019	0.051	-1.071
	2501-2750	3329728	1787	-1.284	0.049	-1.333
	2751-3000	2827536	1231	-1.494	0.044	-1.538
	>3000	2735805	3350	-0.458	0.02	-0.478

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Lithology	Slate	16674319	77705	-0.06	0.237	-0.296
	Sandstone-shale	2559427	20425	0.482	-0.093	0.575
	Meta-sandstone	548946	2256	-0.186	0.005	-0.19
	Conglomerate	192675	0	N/A	0.01	0
	Gravel,sand	196081	177	-1.705	0.008	-1.713
Distance to lineation (m)	<200	2420980	12020	0.004	-0.001	0.005
	201-400	2197225	11354	0.044	-0.006	0.05
	401-600	1916910	6414	-0.392	0.033	-0.425
	601-800	1738559	6432	-0.291	0.023	-0.315
	801-1000	1581085	5203	-0.409	0.028	-0.437
	1001-1200	1413848	6788	-0.03	0.002	-0.032
	1201-1400	1196792	5417	-0.089	0.005	-0.094
	1401-1600	1056968	7137	0.313	-0.02	0.334
	1601-1800	952481	5839	0.216	-0.012	0.228
	1801-2000	847127	5113	0.2	-0.01	0.21
	>2000	4887200	28864	0.179	-0.064	0.243
Distance to stream (m)	<50	1256167	14236	0.836	-0.09	0.925
	51-100	1328887	13979	0.761	-0.083	0.843
	101-150	1273013	10646	0.529	-0.048	0.577
	151-200	1218657	7789	0.258	-0.019	0.277
	201-250	1174496	6154	0.058	-0.004	0.062

Factor	class	Domain pixel	Landslide pixel	W^+	W^-	C
Distance to stream (m)	251-300	1136231	5672	0.01	-0.001	0.01
	301-350	1097411	4916	-0.099	0.005	-0.105
	351-400	1055554	4466	-0.157	0.008	-0.165
	401-450	1018693	4329	-0.152	0.007	-0.16
	>450	9650066	28394	-0.521	0.315	-0.836
NDVI	<0	402584	8482	1.466	-0.069	1.534
	0-0.2	400350	14013	1.988	-0.131	2.119
	0.2-0.4	843913	28130	1.937	-0.288	2.225
	0.4-0.6	3299518	34935	0.767	-0.252	1.019
	0.6-0.8	15262810	15021	-1.618	1.245	-2.863

Typhoon Morakot

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Slope (degree)	<10	941899	14524	-0.681	0.009	-0.691
	11-20	3663628	70592	-0.448	0.028	-0.476
	21-30	10904879	285857	-0.121	0.03	-0.152
	31-40	18467581	643523	0.187	-0.118	0.305
	41-50	12179411	377219	0.059	-0.019	0.077
	51-60	4511780	107641	-0.222	0.019	-0.241
	>60	1064557	24968	-0.24	0.005	-0.245
Aspect	N	5206629	117140	-0.284	0.028	-0.312
	NE	5417249	152272	-0.046	0.005	-0.052
	E	6171917	202325	0.12	-0.017	0.138
	SE	6566759	224091	0.164	-0.026	0.19
	SE	6893833	256299	0.259	-0.045	0.304
	SW	7653512	255857	0.142	-0.026	0.168
	W	7565876	187045	-0.184	0.029	-0.213
	NW	6257960	129295	-0.375	0.043	-0.418
Landform	Convex ridge	16750291	423160	-0.161	0.069	-0.23
	Straight ridge	3097	67	-0.326	0	-0.326
	Concave ridge	9869843	261923	-0.108	0.024	-0.132

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Landform	Convex slope	284156	7839	-0.067	0	-0.067
	Straight slope	192586	5419	-0.045	0	-0.045
	Concave slope	293049	7805	-0.104	0.001	-0.105
	Convex valley	9357679	289707	0.058	-0.013	0.071
	Straight valley	2811	68	-0.207	0	-0.207
	Concave valley	14980223	528262	0.2	-0.092	0.292
Elevation (m)	<250	691685	2781	-2.055	0.013	-2.068
	251-500	2985766	71392	-0.22	0.012	-0.232
	501-750	4547883	193029	0.406	-0.047	0.453
	751-1000	5721168	255792	0.465	-0.072	0.537
	1001-1250	5905411	239852	0.357	-0.055	0.411
	1251-1500	5340873	206199	0.3	-0.04	0.34
	1501-1750	4787112	154789	0.105	-0.011	0.117
	1751-2000	4576805	121097	-0.111	0.01	-0.122
	2001-2250	4360217	83582	-0.454	0.034	-0.487
	2251-2500	3923746	63887	-0.625	0.039	-0.663
	2501-2750	3329728	46611	-0.782	0.038	-0.82
	2751-3000	2827536	29340	-1.091	0.04	-1.13
	>3000	2735805	55973	-0.385	0.018	-0.403

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Lithology	Slate	16674319	1245766	-0.006	0.027	-0.033
	Sandstone-shale	2559427	239557	0.24	-0.039	0.279
	Meta-sandstone	548946	33151	-0.234	0.006	-0.24
	Conglomerate	192675	0	N/A	0.01	0
	Gravel,sand	196081	5263	-1.08	0.007	-1.087
Distance to lineation (m)	<200	2420980	152400	-0.19	0.023	-0.213
	201-400	2197225	146768	-0.126	0.014	-0.141
	401-600	1916910	139129	-0.037	0.004	-0.041
	601-800	1738559	127066	-0.03	0.003	-0.032
	801-1000	1581085	110164	-0.081	0.007	-0.088
	1001-1200	1413848	99701	-0.068	0.005	-0.073
	1201-1400	1196792	89500	-0.005	0	-0.005
	1401-1600	1056968	90254	0.139	-0.008	0.147
	1601-1800	952481	89879	0.249	-0.014	0.263
	1801-2000	847127	78306	0.226	-0.011	0.237
	>2000	4887200	400745	0.095	-0.032	0.127
Distance to stream (m)	<50	1256167	144898	0.473	-0.039	0.512
	51-100	1328887	144471	0.407	-0.034	0.441
	101-150	1273013	119211	0.241	-0.018	0.259
	151-200	1218657	101361	0.111	-0.007	0.118
	201-250	1174496	90950	0.033	-0.002	0.035

Factor	class	Domain pixel	Landslide pixel	W ⁺	W ⁻	C
Distance to stream (m)	251-300	1136231	84641	-0.009	0.001	-0.01
	301-350	1097411	81618	-0.011	0.001	-0.011
	351-400	1055554	77001	-0.032	0.002	-0.033
	401-450	1018693	71941	-0.067	0.003	-0.07
	>450	9650066	607820	-0.189	0.149	-0.338
NDVI	<0	1979453	219770	0.43	-0.057	0.488
	0-0.2	3355094	226917	-0.113	0.021	-0.134
	0.2-0.4	4031465	265389	-0.142	0.033	-0.175
	0.4-0.6	8901030	658763	-0.016	0.012	-0.028
	0.6-0.8	1942133	153073	0.052	-0.006	0.058