

CSV2Shapefile 工具說明

2025/05/16

功能簡介

- 只要是TCCIP資料商店資料格式的檔案，皆可透過此工具轉換為Shapefile以及png圖檔
- png圖檔以提供之檔案中所有數值範圍制定色階呈現範圍，提供快速審閱

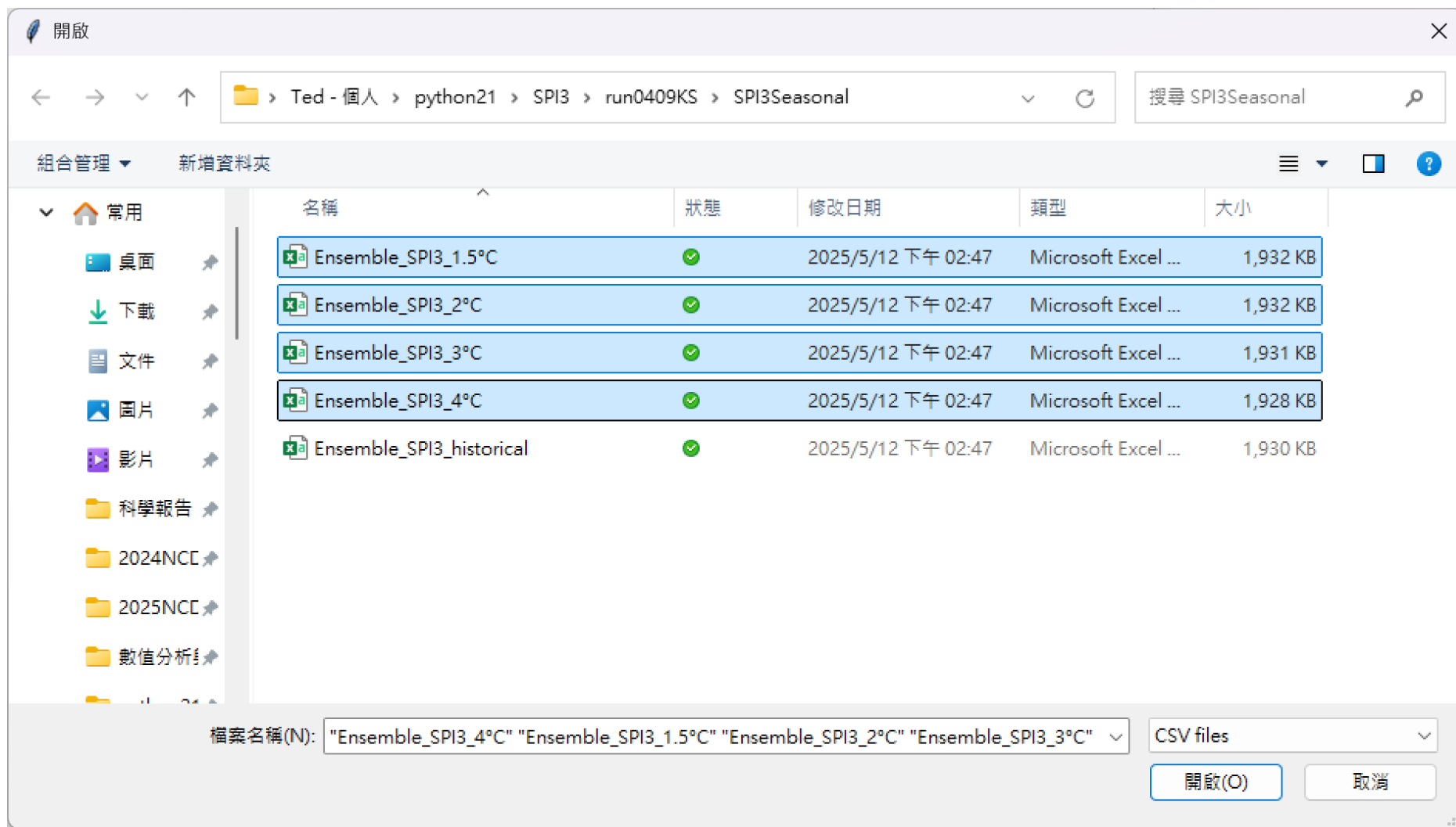
TCCIP資料商店資料格式

第一欄為經度
第二欄為緯度

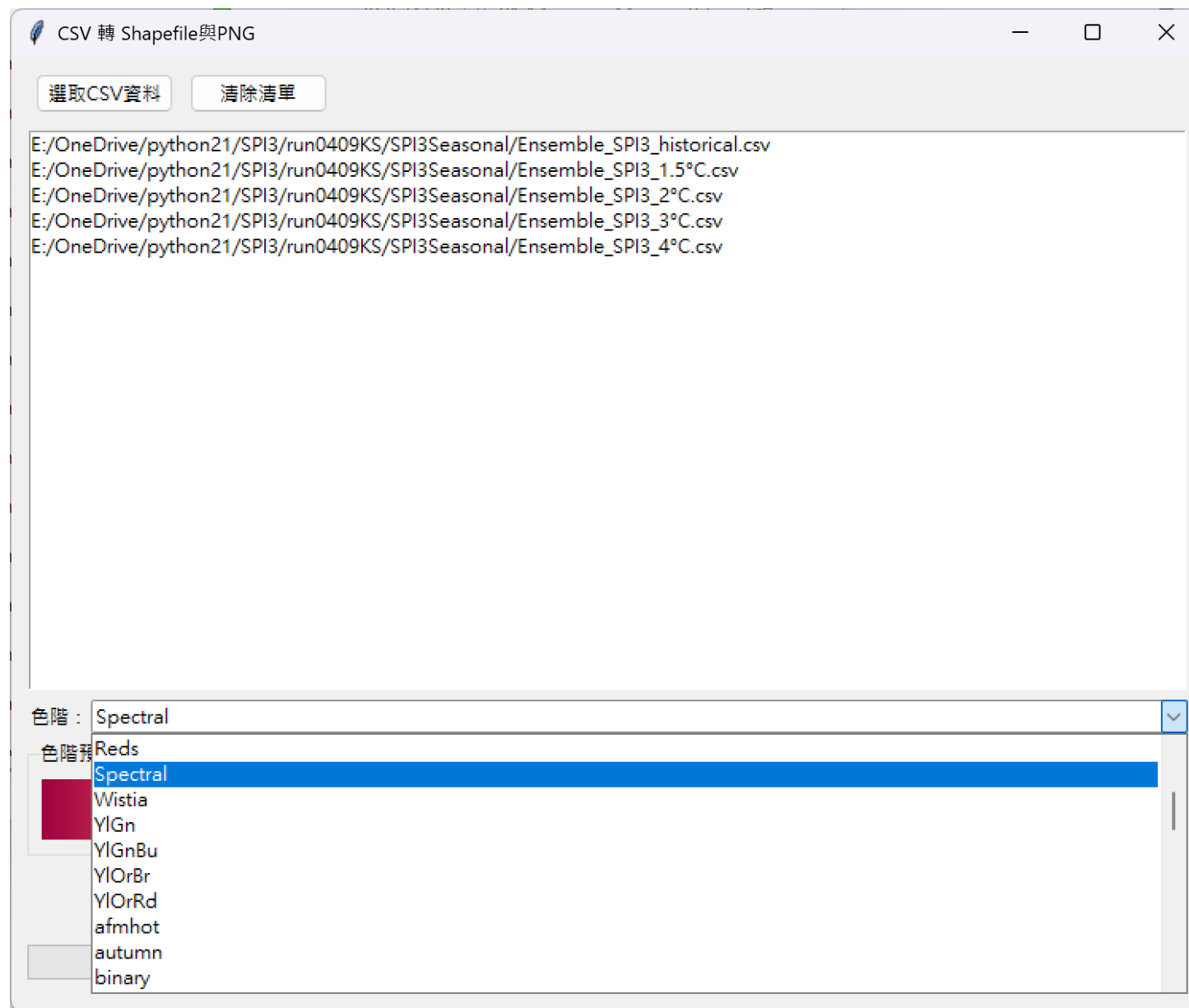
- 第三欄開始依序為不同輸出值
- 輸出之Shapefile跟png檔會以{輸入檔_第一列名稱}命名
- 每一欄結果個別輸出

	A	B	C	D	E	F	G	H	I	J	K
1	LON	LAT	19600101	19600102	19600103	19600104	19600105	19600106	19600107	19600108	19600109
2	121.3	24.9	0.0019	0.0008	0.0019	0.0013	0.031	0.0737	0.0229	0.1116	0.026
3	121.3	24.95	0.0012	0.0004	0.0011	0.0008	0.0226	0.0542	0.0179	0.0904	0.0192
4	121.3	25.1	0.0011	0.0004	0.0008	0.0008	0.027	0.0566	0.0208	0.1077	0.0176
5	121.3	25.15	0.0008	0.0003	0.0006	0.0006	0.0224	0.0429	0.0158	0.077	0.0119
6	121.35	24.85	0.0019	0.0007	0.0017	0.0013	0.0283	0.0806	0.0254	0.1252	0.0332
7	121.35	24.9	0.0016	0.0006	0.0014	0.001	0.0251	0.0651	0.0199	0.094	0.0223
8	121.35	24.95	0.0019	0.0007	0.0016	0.0013	0.0338	0.0805	0.0263	0.1277	0.0267
9	121.35	25	0.0013	0.0005	0.0011	0.0009	0.0261	0.0577	0.0197	0.0953	0.018
10	121.35	25.05	0.0011	0.0004	0.0009	0.0008	0.0268	0.0597	0.0212	0.1021	0.0181
11	121.35	25.1	0.0012	0.0004	0.0009	0.0009	0.0311	0.0615	0.0225	0.1108	0.0192
12	121.35	25.15	0.0009	0.0003	0.0007	0.0007	0.0289	0.0587	0.0208	0.1098	0.0166
13	121.4	24.75	0.0013	0.0006	0.0013	0.0009	0.0152	0.051	0.0151	0.0773	0.0253
14	121.4	24.8	0.0014	0.0006	0.0014	0.0011	0.0204	0.0629	0.019	0.095	0.028
15	121.4	24.85	0.0014	0.0006	0.0013	0.001	0.0208	0.0592	0.0185	0.0865	0.0239
16	121.4	24.9	0.0021	0.0008	0.0019	0.0015	0.0385	0.1023	0.0323	0.1615	0.0399
17	121.4	24.95	0.0015	0.0006	0.0013	0.001	0.0262	0.0635	0.0203	0.1018	0.0226
18	121.4	25	0.001	0.0004	0.0009	0.0007	0.0226	0.053	0.0181	0.0933	0.019
19	121.4	25.05	0.001	0.0004	0.0008	0.0007	0.0231	0.051	0.0181	0.0897	0.0168
20	121.4	25.1	0.0011	0.0004	0.0009	0.0009	0.0311	0.066	0.0249	0.125	0.0213
21	121.4	25.15	0.0011	0.0004	0.0009	0.0009	0.0352	0.0698	0.026	0.1323	0.0218
22	121.4	25.2	0.0011	0.0004	0.0008	0.0009	0.0346	0.0655	0.0252	0.1181	0.0174
23	121.45	24.7	0.005	0.0021	0.0048	0.0032	0.0431	0.1612	0.0445	0.2199	0.0738
24	121.45	24.75	0.0048	0.002	0.0042	0.0028	0.0461	0.1571	0.0432	0.215	0.0693
25	121.45	24.8	0.0038	0.0015	0.0034	0.0023	0.0424	0.1292	0.0387	0.1857	0.0546
26	121.45	24.85	0.0028	0.0011	0.0025	0.0018	0.0379	0.1086	0.0328	0.1637	0.0453

可以一次選取多個csv檔案加入轉換清單



提供數種常見色階選擇



以 網格化觀測月資料 2020年資料為例

CSV 轉 Shapefile與PNG

選取CSV資料 清除清單

E:/OneDrive/python21/tccip/觀測_月資料_臺灣_平均溫/觀測_月資料_臺灣_平均溫_2020.csv

選擇合適色階

色階: bwr

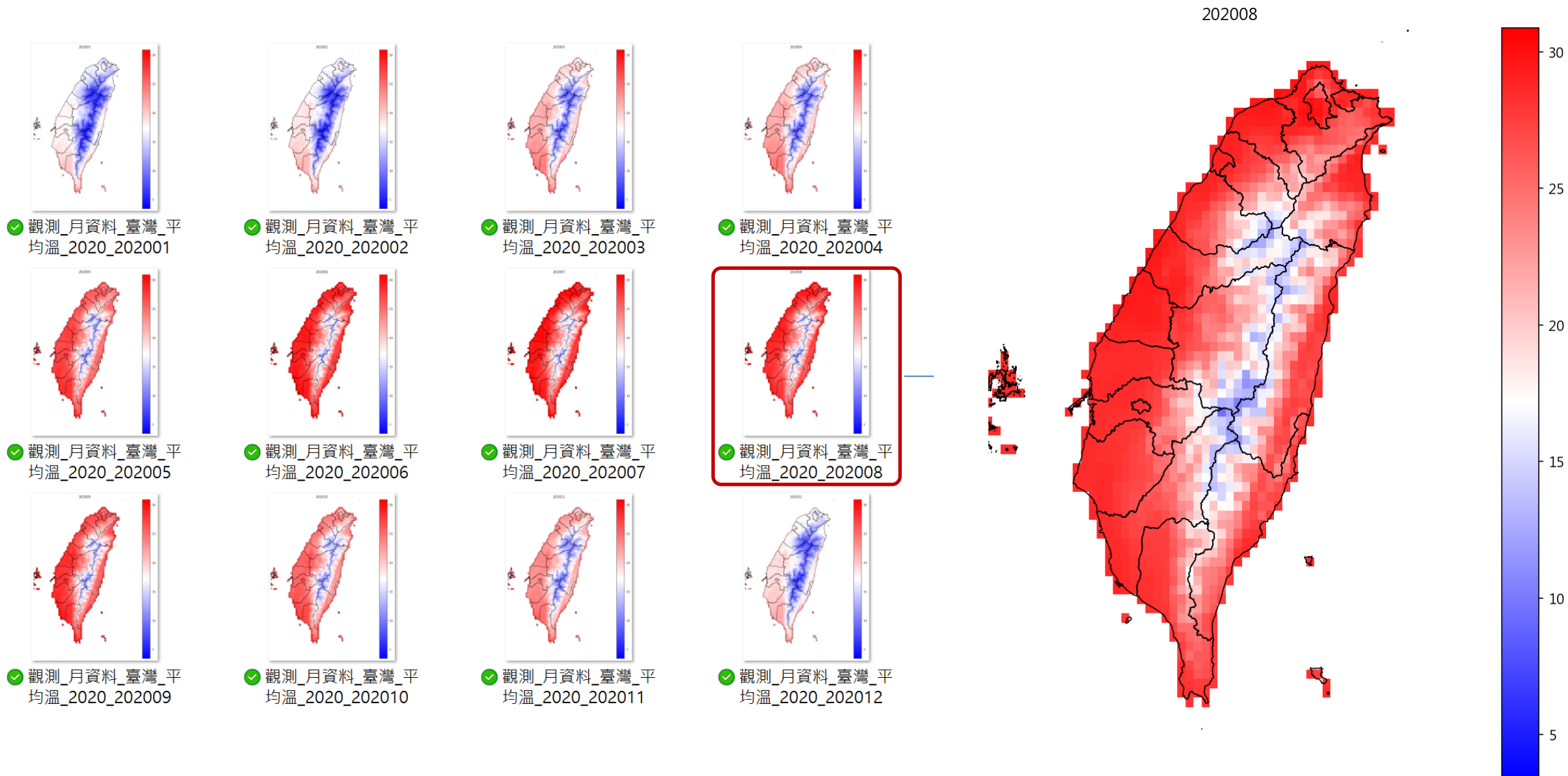
色階預覽

執行轉換

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	LON	LAT	202001	202002	202003	202004	202005	202006	202007	202008	202009	202010	202011	202012
2	119.3	23.3	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
3	119.3	23.35	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
4	119.3	23.4	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
5	119.35	23.4	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
6	119.4	23.2	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
7	119.45	23.2	18.3809	18.8855	21.6251	21.6386	26.0831	27.8783	28.8507	28.3009	27.7784	24.9687	23.1534	18.8359
8	119.45	23.55	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
9	119.5	23.25	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
10	119.5	23.35	18.4905	18.989	21.7227	21.7342	26.1674	27.9603	28.9442	28.4014	27.8734	25.0652	23.2573	18.9348
11	119.5	23.4	18.4703	18.9672	21.7004	21.7104	26.1417	27.9329	28.9194	28.3789	27.8503	25.0422	23.2369	18.9136
12	119.5	23.5	18.3504	18.8247	21.5609	21.566	26.0287	27.8409	28.8365	28.304	27.7382	24.9163	23.1501	18.8198
13	119.5	23.55	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
14	119.5	23.6	18.3713	18.8498	21.5926	21.5945	26.0434	27.8331	28.8493	28.3467	27.822	24.9465	23.2034	18.9094
15	119.5	23.65	18.3664	18.8486	21.5972	21.6004	26.0681	27.8639	28.8783	28.3638	27.8396	24.956	23.1919	18.8954
16	119.55	23.35	18.5151	19.015	21.751	21.7615	26.201	28.0015	28.9863	28.4342	27.9044	25.0903	23.2824	18.9623
17	119.55	23.5	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
18	119.55	23.55	18.4172	18.8964	21.6469	21.6477	26.1235	27.9309	28.9539	28.4206	27.8788	24.9979	23.2257	18.9123
19	119.55	23.6	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
20	119.55	23.65	18.402	18.885	21.6405	21.6425	26.1253	27.9287	28.9456	28.4197	27.8919	24.9974	23.2243	18.9254
21	119.55	23.7	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
22	119.6	23.25	18.5157	19.0235	21.7718	21.7834	26.2469	28.0575	29.0303	28.4597	27.9336	25.1089	23.2862	18.97
23	119.6	23.5	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
24	119.6	23.55	18.3894	18.873	21.6379	21.6383	26.1558	27.9823	29.0064	28.4416	27.8919	24.9921	23.1828	18.8635
25	119.6	23.6	18.3863	18.8701	21.6382	21.6381	26.1545	27.9755	29.0014	28.4463	27.9062	24.9924	23.1896	18.879
26	119.6	23.65	18.3707	18.855	21.6202	21.6209	26.1279	27.943	28.9639	28.4192	27.8855	24.9755	23.1855	18.8819
27	119.6	23.7	18.4243	18.9109	21.681	21.6823	26.2012	28.0193	29.0379	28.4883	27.956	25.0382	23.2414	18.9396
28	119.6	23.75	18.4082	18.8959	21.6669	21.668	26.1901	28.0088	29.0264	28.4759	27.9444	25.0249	23.2264	18.9259
29	119.6	23.8	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
30	119.65	23.25	18.5741	19.0961	21.8335	21.8516	26.3155	28.172	29.13	28.5052	27.9849	25.1669	23.3443	19.0572
31	119.65	23.55	18.3727	18.8599	21.6292	21.63	26.1548	27.9861	29.0124	28.4421	27.8996	24.9837	23.1704	18.8597
32	119.65	23.6	18.4036	18.8909	21.6628	21.6635	26.1926	28.0239	29.0493	28.479	27.9376	25.0174	23.2048	18.8956
33	119.65	23.65	18.413	18.9001	21.6737	21.674	26.2036	28.0312	29.0538	28.4896	27.952	25.0286	23.2222	18.9171
34	119.65	23.7	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9

Png圖檔將以此檔所有數值範圍(202001~202012內所有數值)定義色階範圍 6

所有欄位皆以相同色階輸出



敬請指教

<https://tedliu13.github.io/tools/>