

Datacolor SpyderCheckr

蜘蛛色卡 簡介及使用方法



前言

拍照之後往往在後續修圖時，要調整顏色，白平衡等而苦惱不已，顏色要如何調整才是正確的，而正確的顏色也是攝影師、攝影玩家所追求的，這個話題也是廣泛所被討論的；而同一台相機在不同的鏡頭組合下也會產生色偏；當然在數位化的時代講求的是科學的根據，要將顏色調整到正確時，不能只是光靠感覺去調整顏色，會過於主觀或是不正確也沒有科學的依據，而顏色的調整選項眾多，常因此會不知如何調整，SpyderCheckr正是因此而應運而生，簡單、方便、易學、準確!!

系統需求

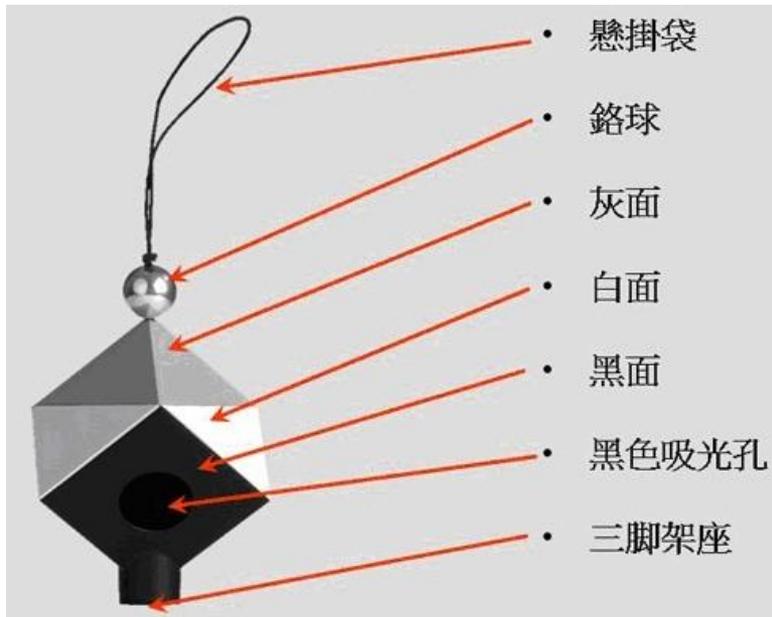
- ◆ Windows XP 32/64, Vista 32/64, 7 32/64,
8 32/64
- ◆ Mac OS X (10.4及之後版本)
- ◆ 至少128MB 記憶體
- ◆ 100MB硬碟空間

必需搭配的軟體

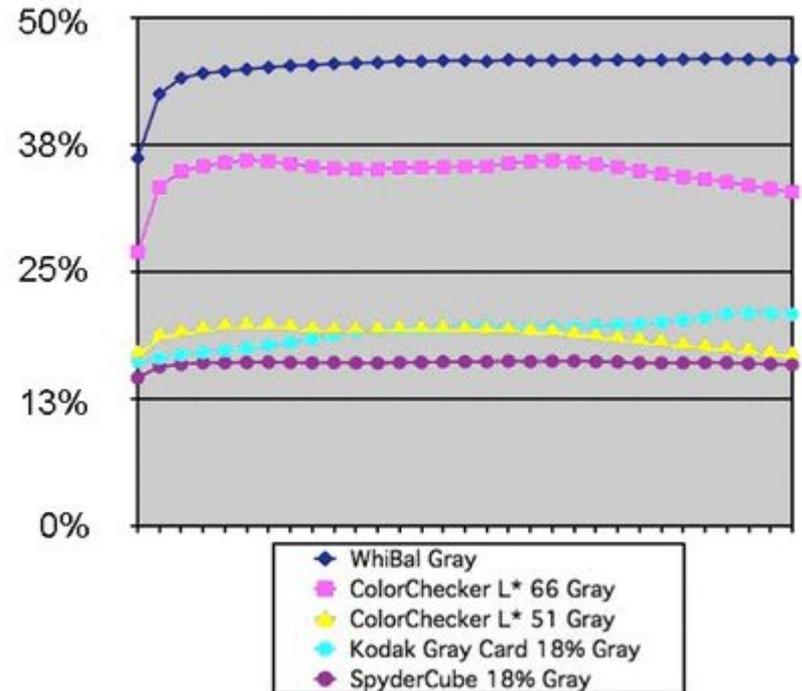
- ◆ Adobe Photoshop CS3或之後的版本
- ◆ Adobe Lightroom V2或之後的版本

搭配SpyderCube效果更好

1. 可判斷主光源方向
2. 有絕對黑(RGB=0, 0, 0)做參考
3. 在各種光源下18%灰的穩定性



頻譜反應圖 400nm – 700nm



SpyderCheckr 顏色資訊



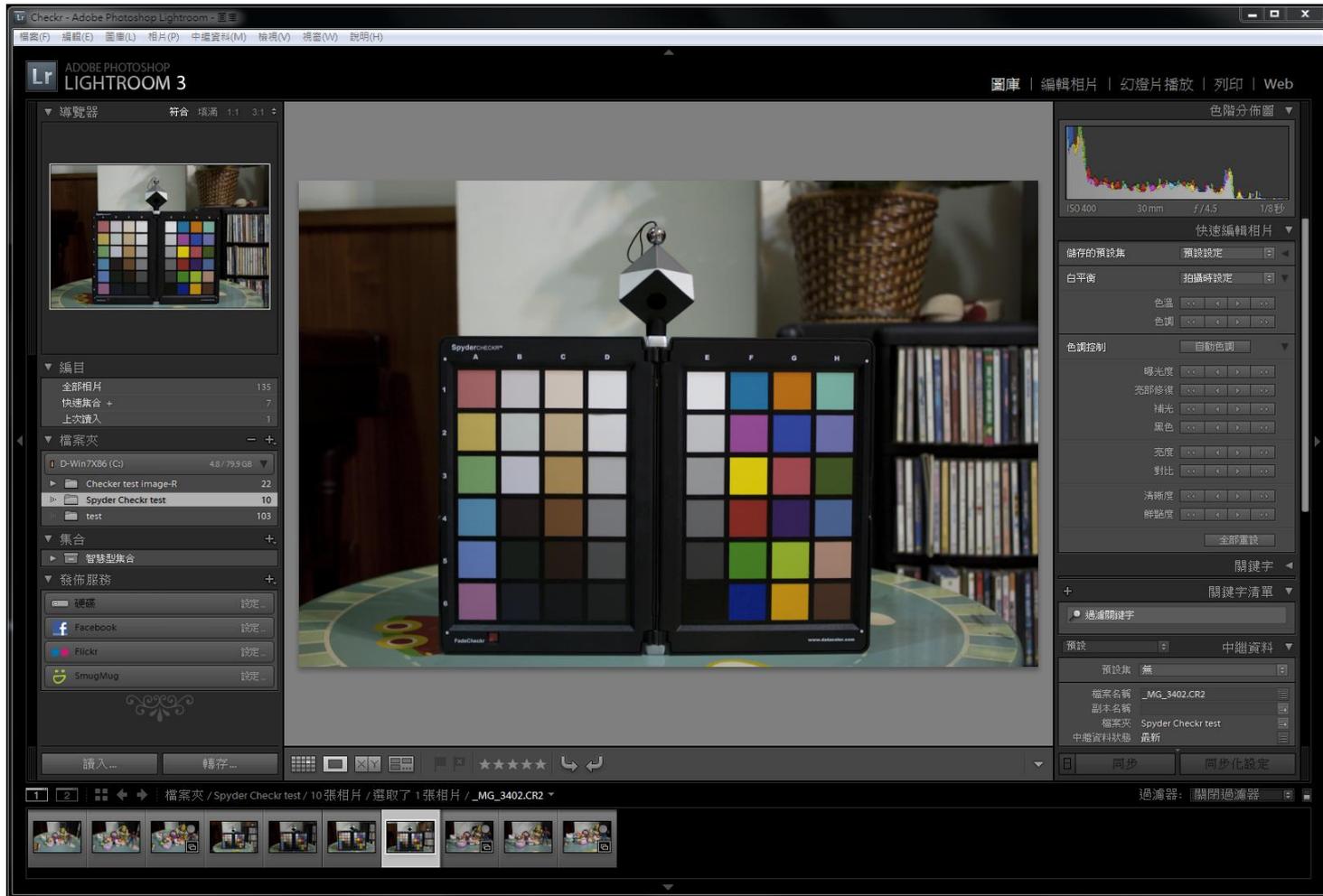
Patch	Name	Lab			sRGB			Adobe RGB		
		L*	a*	b*	R	G	B	R	G	B
1A	Low Sat. Red	61.35	34.81	18.38	210	121	117	189	121	117
2A	Low Sat. Yellow	75.5	5.84	50.42	216	179	90	205	178	96
3A	Low Sat. Green	66.82	-25.1	23.47	127	175	120	141	174	122
4A	Low Sat. Cyan	80.53	-22.6	-20.4	86	157	179	103	156	177
5A	Low Sat. Blue	59.66	-2.03	-28.46	116	147	194	125	146	191
6A	Low Sat. Magenta	59.15	30.83	-5.72	190	121	154	172	120	151
1B	10% Red Tint	82.68	5.03	3.02	218	203	201	213	202	200
2B	10% Green Tint	82.25	-2.42	3.78	203	205	196	202	204	195
3B	10% Blue Tint	82.29	2.2	-2.04	206	203	208	204	201	206
4B	90% Red Tone	24.89	4.43	0.78	66	57	58	66	60	60
5B	90% Green Tone	25.16	-3.88	2.13	54	61	56	59	63	59
6B	90% Blue Tone	26.13	2.61	-5.03	63	60	69	65	63	71
1C	Lightest Skin	85.42	9.41	14.49	237	206	186	225	202	183
2C	Lighter Skin	74.28	9.05	27.21	211	175	133	200	174	134
3C	Moderate Skin	64.57	12.39	37.24	193	149	91	180	148	95
4C	Medium Skin	44.49	17.23	26.24	139	93	61	127	93	65
5C	Deep Skin	25.29	7.95	8.87	74	55	46	71	58	50
6C	95% Gray	22.67	2.11	-1.1	57	54	56	59	57	59
1D	5% Gray	92.72	1.89	2.76	241	233	229	238	233	229
2D	10% Gray	88.85	1.59	2.27	229	222	220	226	221	219
3D	30% Gray	73.42	0.99	1.89	182	178	176	180	177	174
4D	50% Gray	57.15	0.57	1.19	139	136	135	137	135	134
5D	70% Gray	41.57	0.24	1.45	100	99	97	99	99	98
6D	90% Gray	25.65	1.24	0.05	63	61	62	65	63	64
1E	Card White	96.04	2.16	2.6	249	242	238	247	242	237
2E	20% Gray	80.44	1.17	2.05	202	198	195	199	196	193
3E	40% Gray	65.52	0.69	1.86	161	157	154	158	156	153
4E	60% Gray	49.62	0.58	1.56	122	118	116	120	118	115
5E	80% Gray	33.55	0.35	1.4	80	80	78	81	81	79
6E	Card Black	16.91	1.43	-0.81	43	41	43	46	46	47
1F	Primary Cyan	47.12	-32.5	-28.75	0	127	159	39	126	157
2F	Primary Magenta	50.49	53.45	-13.55	192	75	145	167	76	141
3F	Primary Yellow	83.61	3.36	87.02	245	205	0	234	204	37
4F	Primary Red	41.05	60.75	31.17	186	26	51	159	32	53
5F	Primary Green	54.14	-40.8	34.75	57	146	64	94	145	71
6F	Primary Blue	24.75	13.78	-49.48	25	55	135	41	58	132
1G	Primary Orange	60.94	38.21	61.31	222	118	32	198	117	44
2G	Blueprint	37.8	7.3	-43.04	99	86	96	70	89	156
3G	Pink	49.81	48.5	15.76	195	79	95	170	80	94
4G	Violet	28.88	19.36	-24.48	83	58	106	78	61	104
5G	Apple Green	72.45	-23.6	60.47	157	188	54	165	186	69
6G	Sunflower	71.65	23.74	72.28	238	158	25	218	157	46
1H	Aqua	70.19	-31.9	1.98	98	187	166	130	186	166
2H	Lavender	54.38	8.84	-25.71	126	125	174	125	124	171
3H	Evergreen	42.03	-15.8	22.93	82	106	60	90	106	65
4H	Steel Blue	48.82	-5.11	-23.08	87	120	155	98	119	152
5H	Classic Light Skin	65.1	18.14	18.88	197	145	125	183	144	125
6H	Classic Dark Skin	36.13	14.15	15.78	112	76	60	103	77	63

Adobe Lightroom

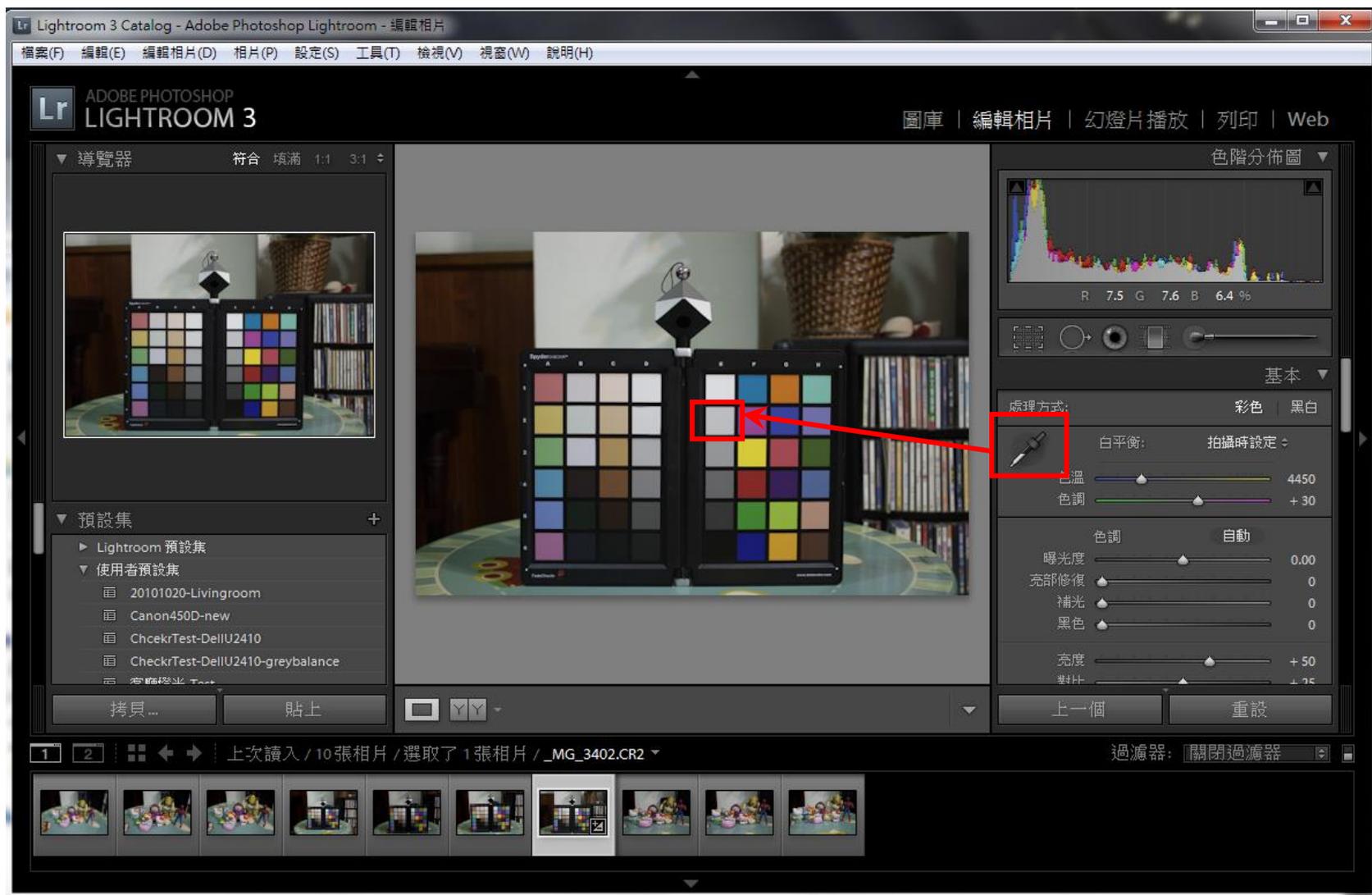
使用篇

在拍攝前先拍攝一張SpyderCheckr的照片

- 開啟資料夾後點選SpyderCheckr



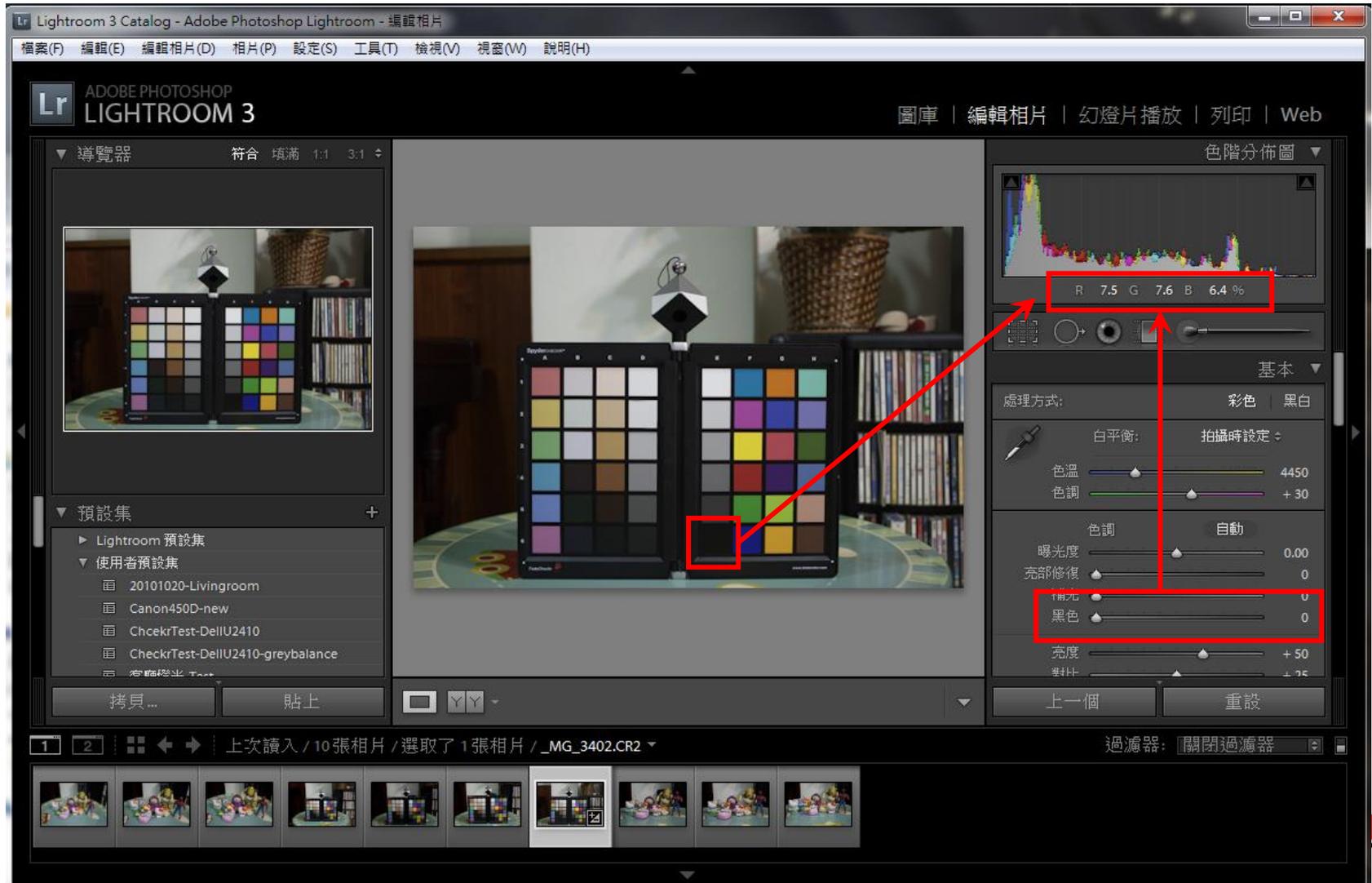
(一)在Lightroom中處理白平衡，如果沒有SpyderCube，可選擇2E位置20%灰(接近18%灰)作為校正依據



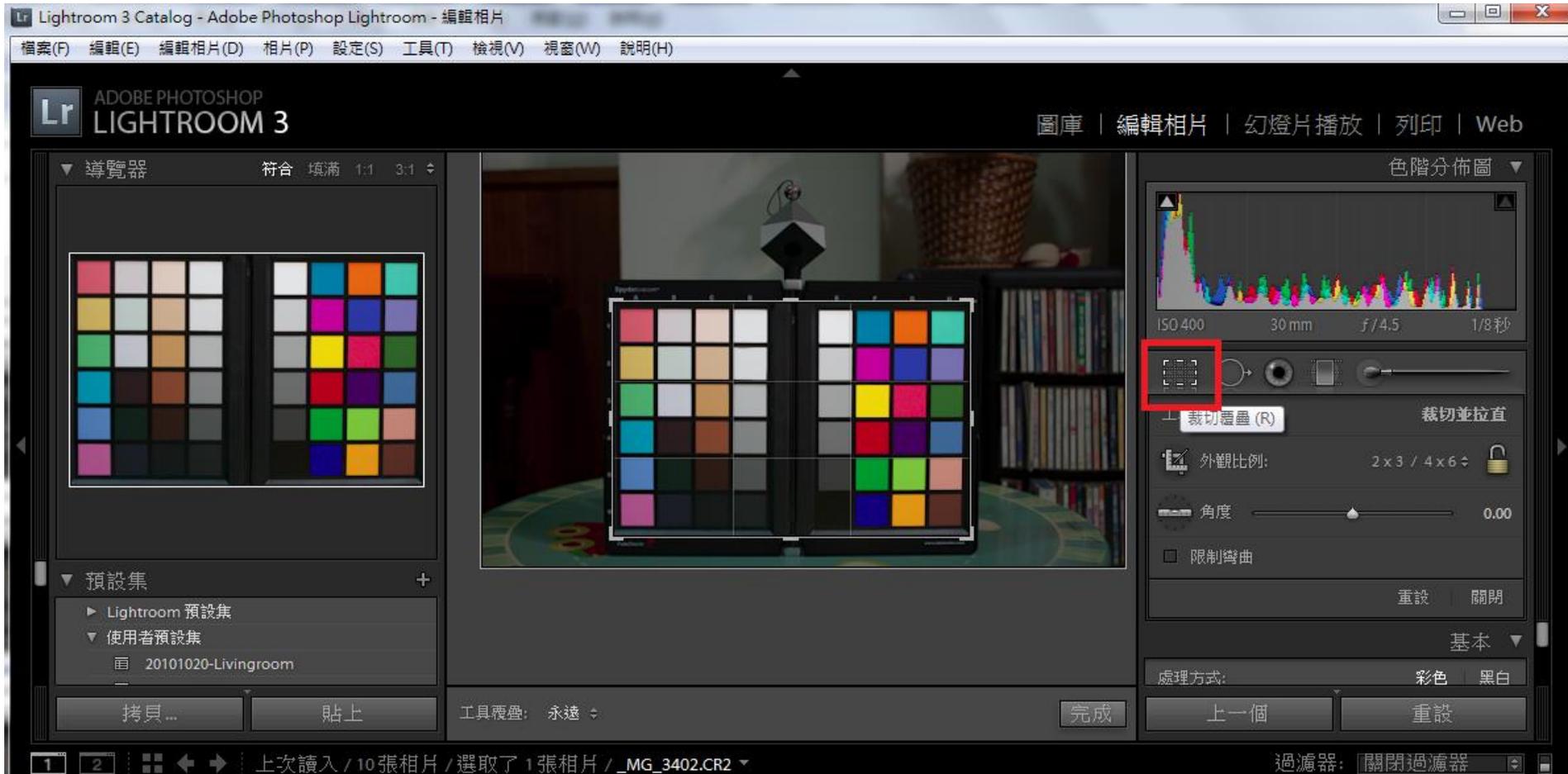
(二) 調整曝光度至白色色塊(1E)到RGB 90%

The screenshot displays the Adobe Photoshop Lightroom 3 interface. The main workspace shows a photograph of a color checker chart. A white color checker target is highlighted with a red box. A red arrow points from this target to the histogram in the right-hand panel, which shows the RGB values: R 90.1, G 90.2, B 90.5 %. Another red arrow points from the histogram to the exposure slider in the Basic panel, which is set to +0.31. The interface includes a library grid on the left, a compare web on the right, and various adjustment panels. The bottom of the interface shows a filmstrip of images and a status bar indicating the current image is _MG_3402.CR2.

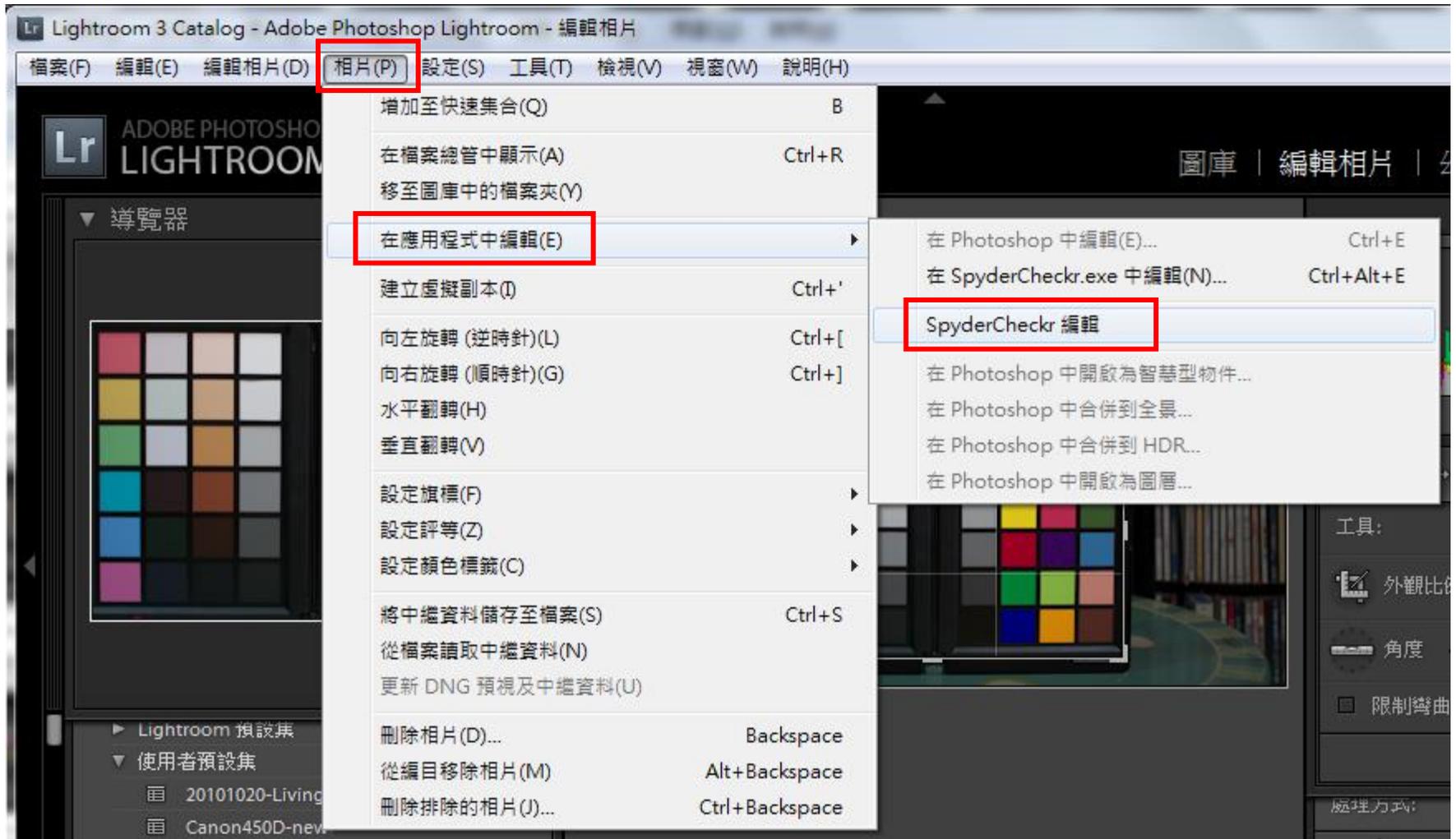
(三) 調整黑色讓RGB數值在4%以下



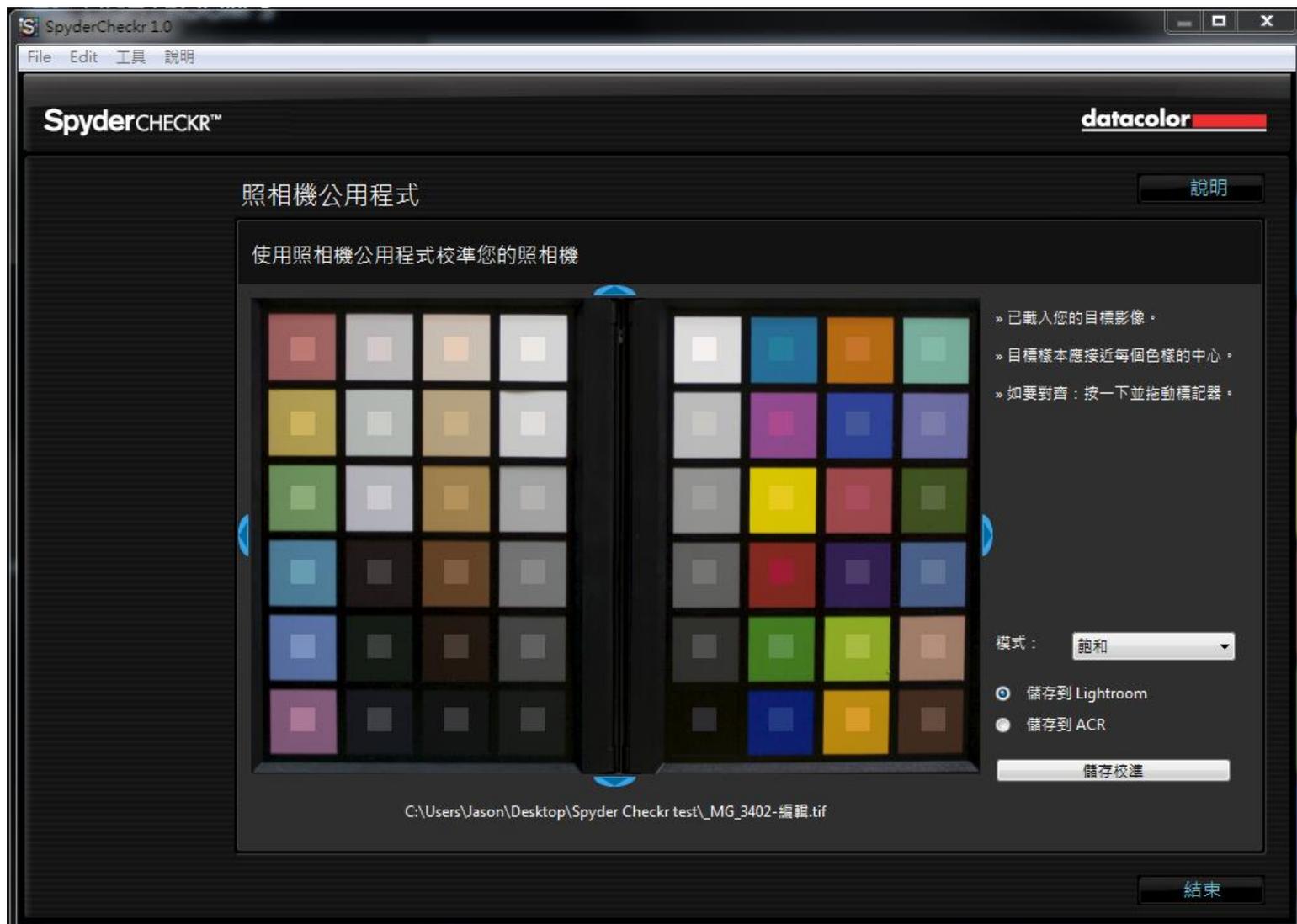
(四)將色卡部分利用裁切工具框起來



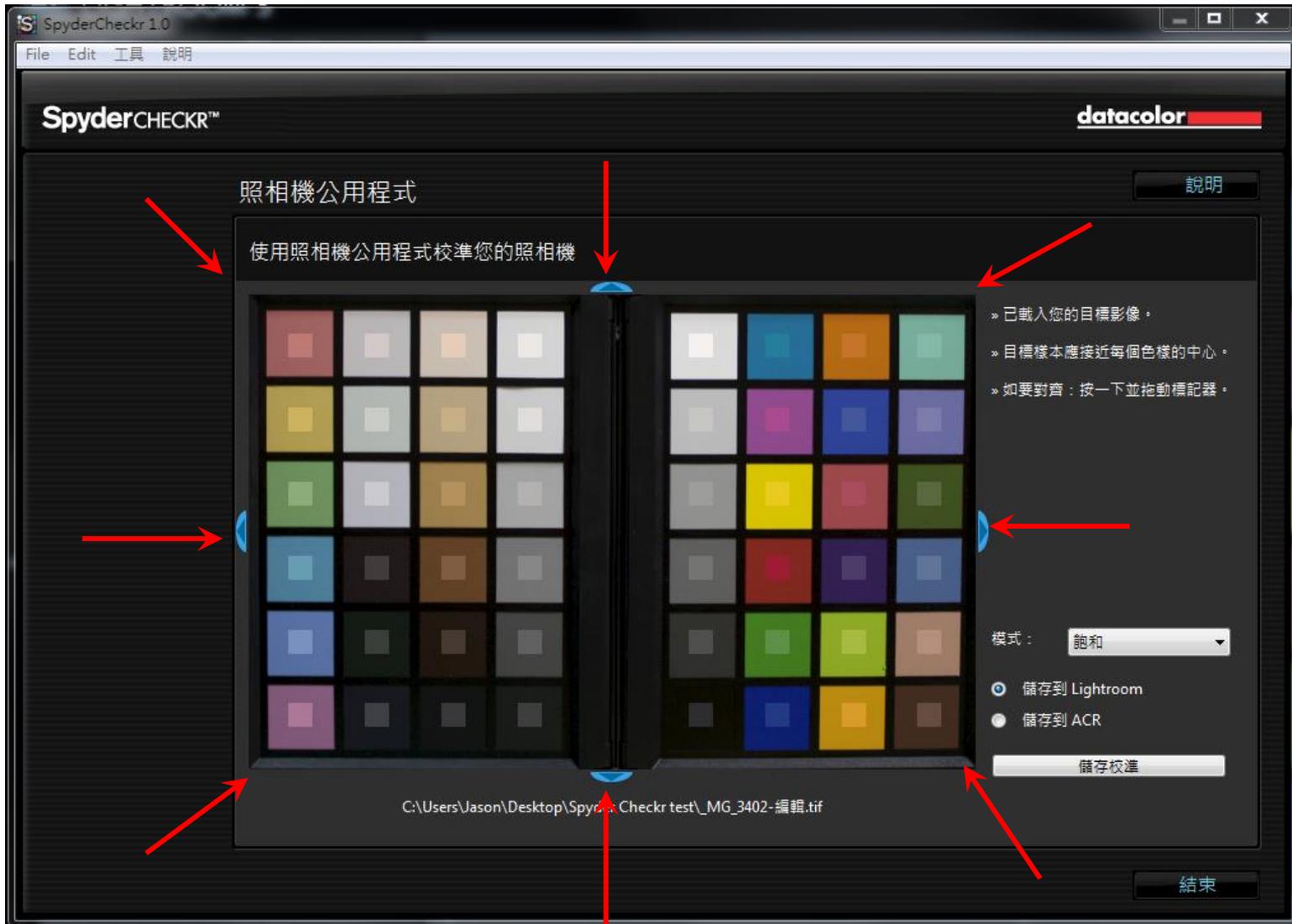
(五) 選取SpyderCheckr編輯



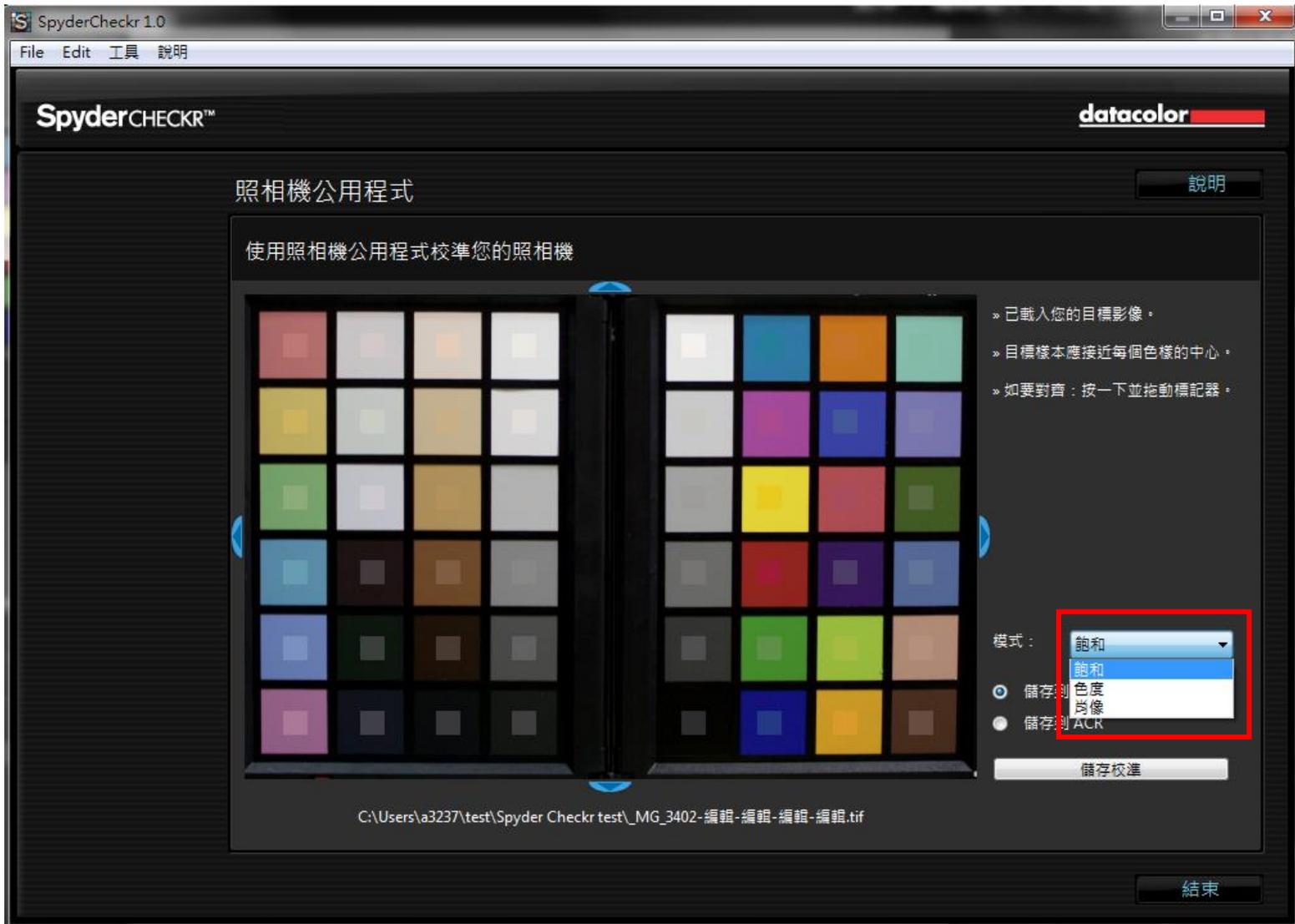
(六)Lightroom 會自動開啟Spydercheckkr程式



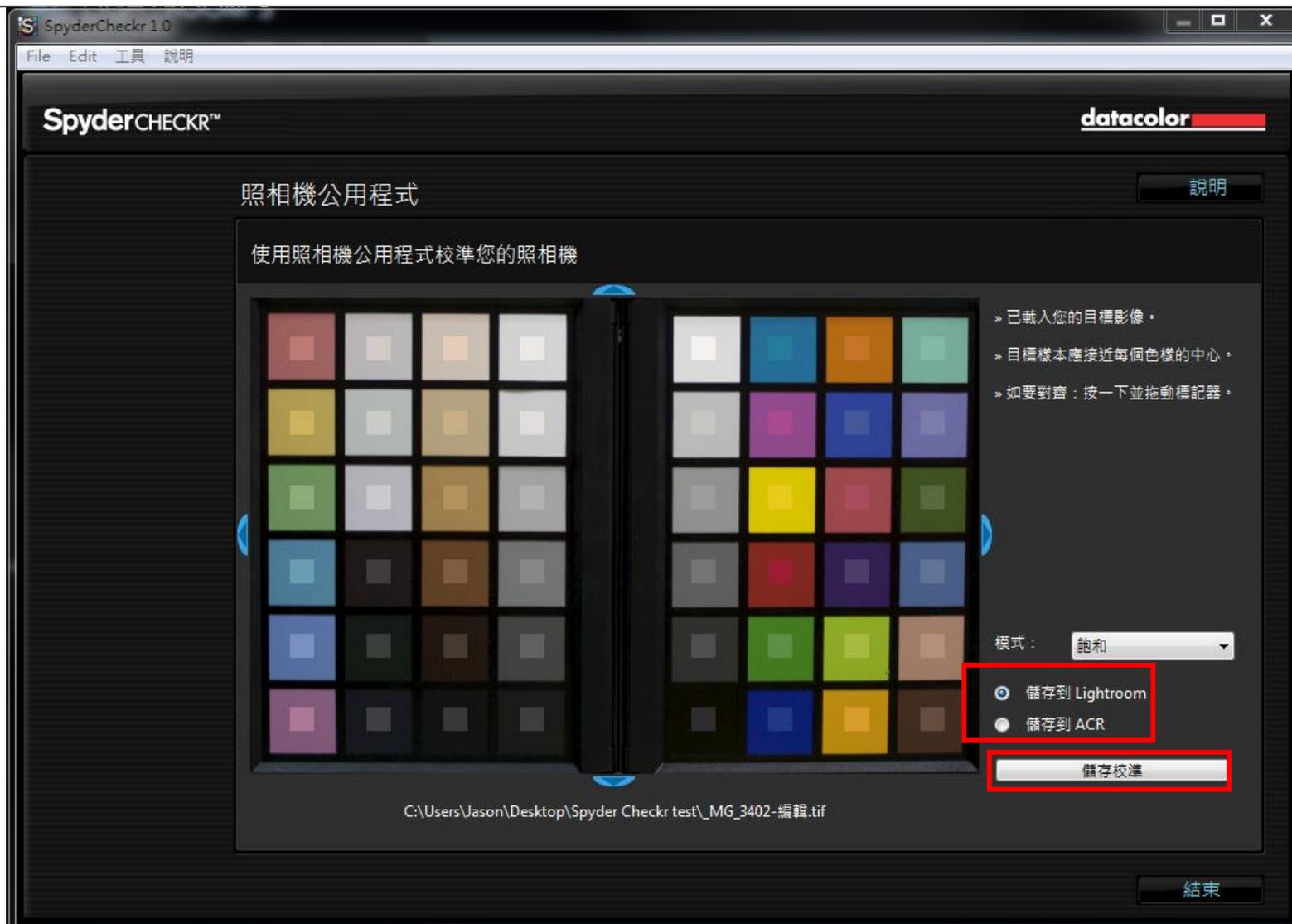
(七)如果色塊沒對齊可在上下左右或對角線拉齊



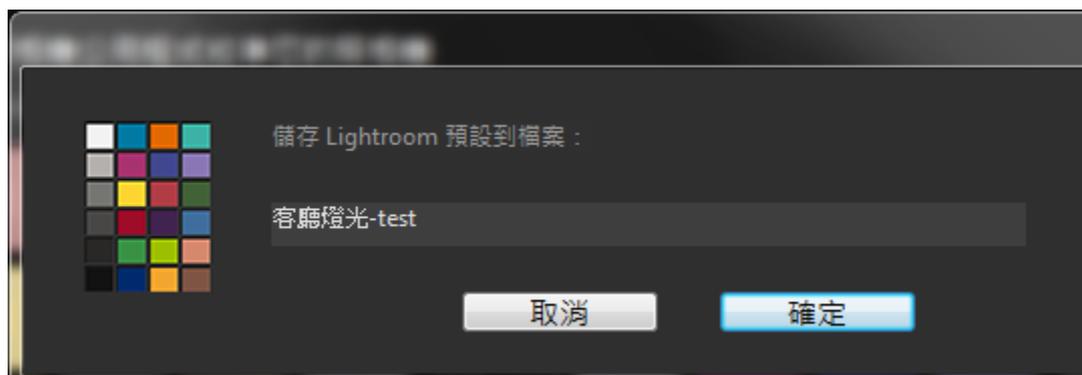
(八)在模式中可依據拍攝的要求來選取飽和、色度、肖像



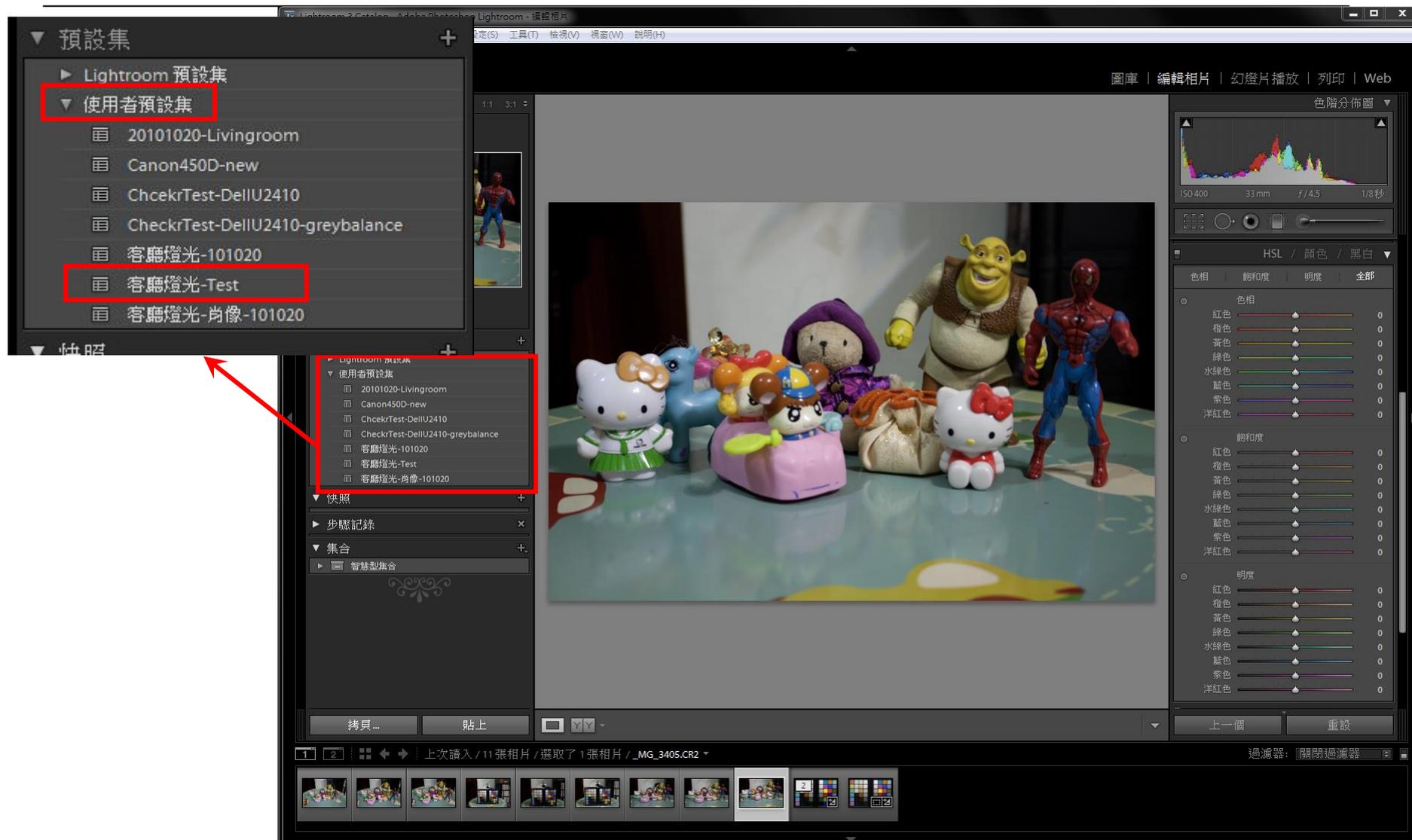
(九)可選擇儲存校正資訊至Lightroom或ACR 之後按儲存校準



(十)給予設定檔命名方便日後辨識，並關閉Lightroom，然後再重新啟動Lightroom



(十一) 重新啟動後，在使用者預設集中會有用SpyderCheckr程式所儲存的設定擋在使用者預設集中



(十二) 重新啟動後，在再點選設定值前，色相、飽和度及明度的數值均為0

The screenshot displays the Adobe Photoshop Lightroom 3 interface. The central workspace shows a photograph of various toys, including Hello Kitty figures, a Shrek action figure, and a Spider-Man action figure. The right-hand panel is the HSL/Color panel, which is currently set to the 'Color' tab. This panel is divided into three sections: Hue, Saturation, and Luminance. Each section contains sliders for eight colors: Red, Orange, Yellow, Green, Teal, Blue, Purple, and Magenta. All sliders in all three sections are positioned at the 0 mark. The top of the panel has tabs for 'Color', 'Saturation', 'Luminance', and 'All'. The bottom of the panel has a 'Previous' button. The interface also shows a grid of thumbnails at the bottom, a library grid on the left, and a top menu bar with options like 'Library', 'Compare', and 'Web'. The status bar at the bottom indicates '上次讀入 / 11 張相片 / 選取了 1 張相片 / _MG_3405.CR2'.

(十三) 點選設定值之後，色相、飽和度及明度的數值均以調整完畢



色相	飽和度	明度	全部
色相			
紅色			-7
橙色			0
黃色			-3
綠色			-4
水綠色			-2
藍色			-6
紫色			-2
洋紅色			+9
飽和度			
紅色			+16
橙色			+15
黃色			+19
綠色			+7
水綠色			+16
藍色			+10
紫色			+2
洋紅色			+17
明度			
紅色			+2
橙色			0
黃色			0
綠色			+2
水綠色			0
藍色			+8
紫色			+4
洋紅色			+3

Adobe Photoshop ACR

使用篇

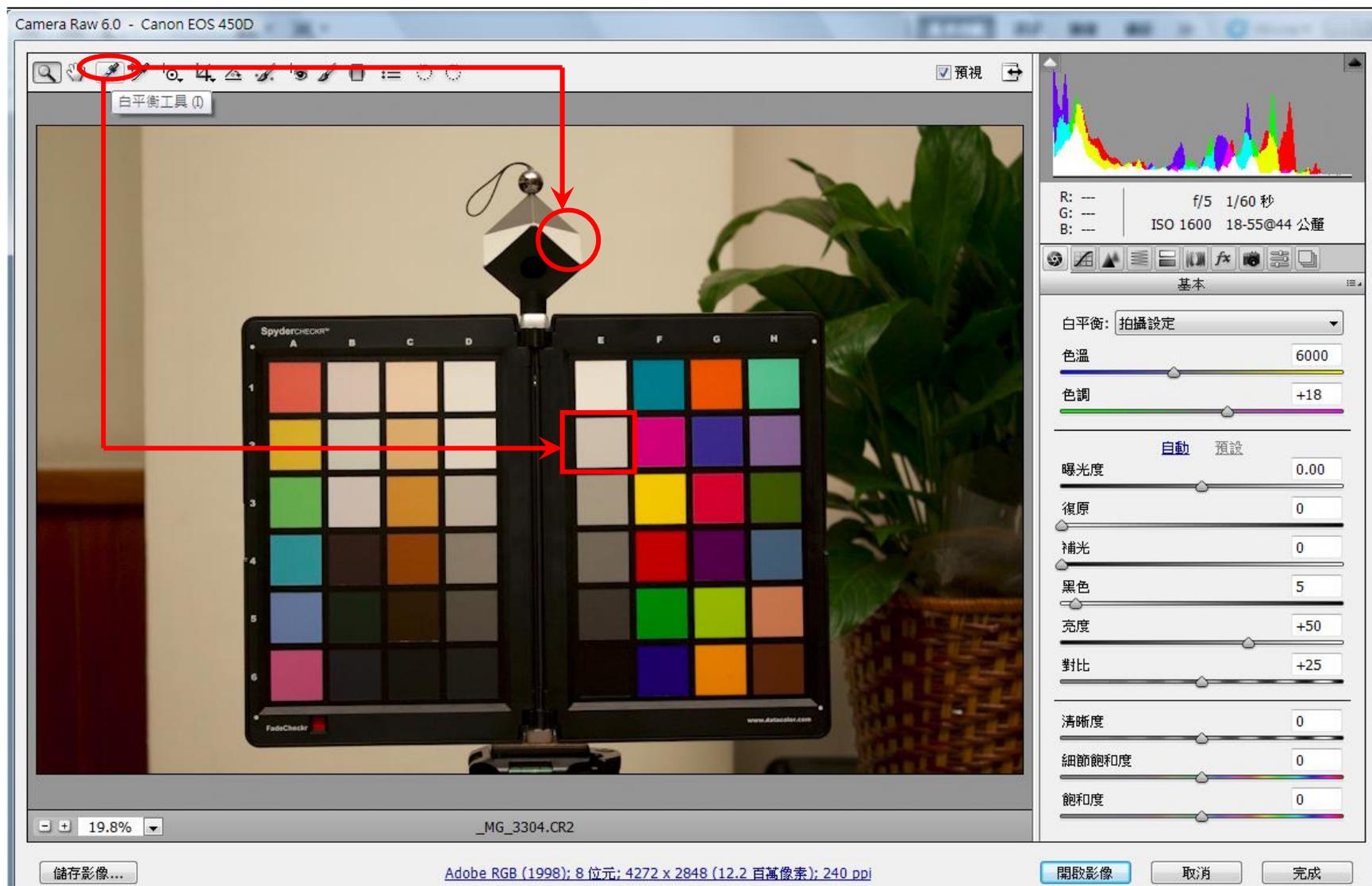
(一)以Adobe Photoshop Camera Raw開啟有拍攝過SpyderCheckr的RAW檔

The screenshot displays the Adobe Camera Raw 6.0 interface for a Canon EOS 450D. The main preview window shows a SpyderCheckr color chart with a white balance tool positioned above it. The right-hand panel contains various adjustment sliders and a histogram. The histogram shows a multi-colored distribution across the tonal range. The adjustment panel includes the following settings:

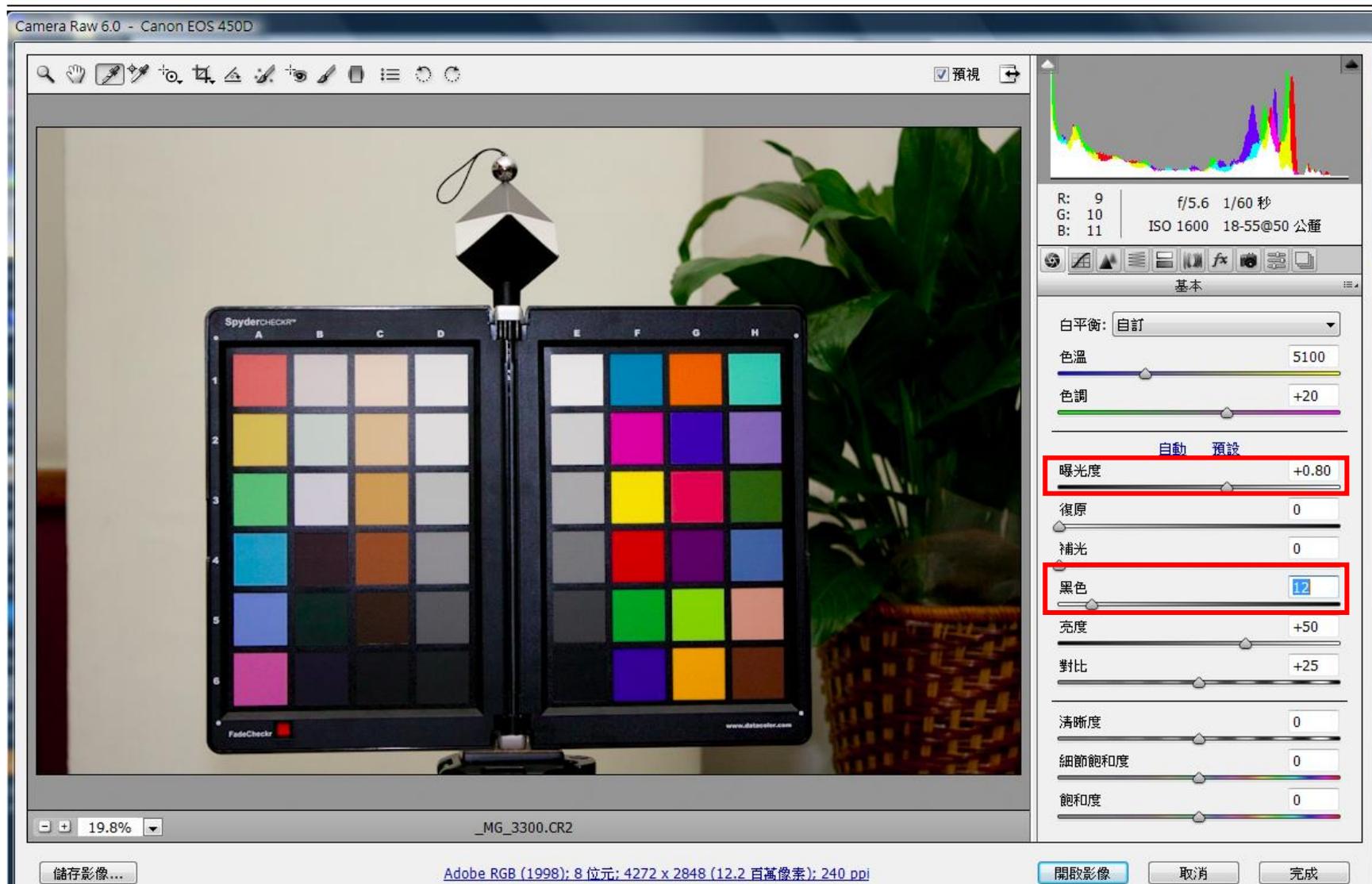
- 白平衡: 拍攝設定
- 色溫: 6000
- 色調: +18
- 曝光度: 0.00
- 復原: 0
- 補光: 0
- 黑色: 5
- 亮度: +50
- 對比: +25
- 清晰度: 0
- 細節飽和度: 0
- 飽和度: 0

At the bottom of the interface, the file name is `_MG_3304.CR2`, the zoom level is 19.8%, and the color profile is Adobe RGB (1998). The resolution is 4272 x 2848 pixels (12.2 million pixels) at 240 ppi. The bottom right corner features buttons for "開啟影像", "取消", and "完成".

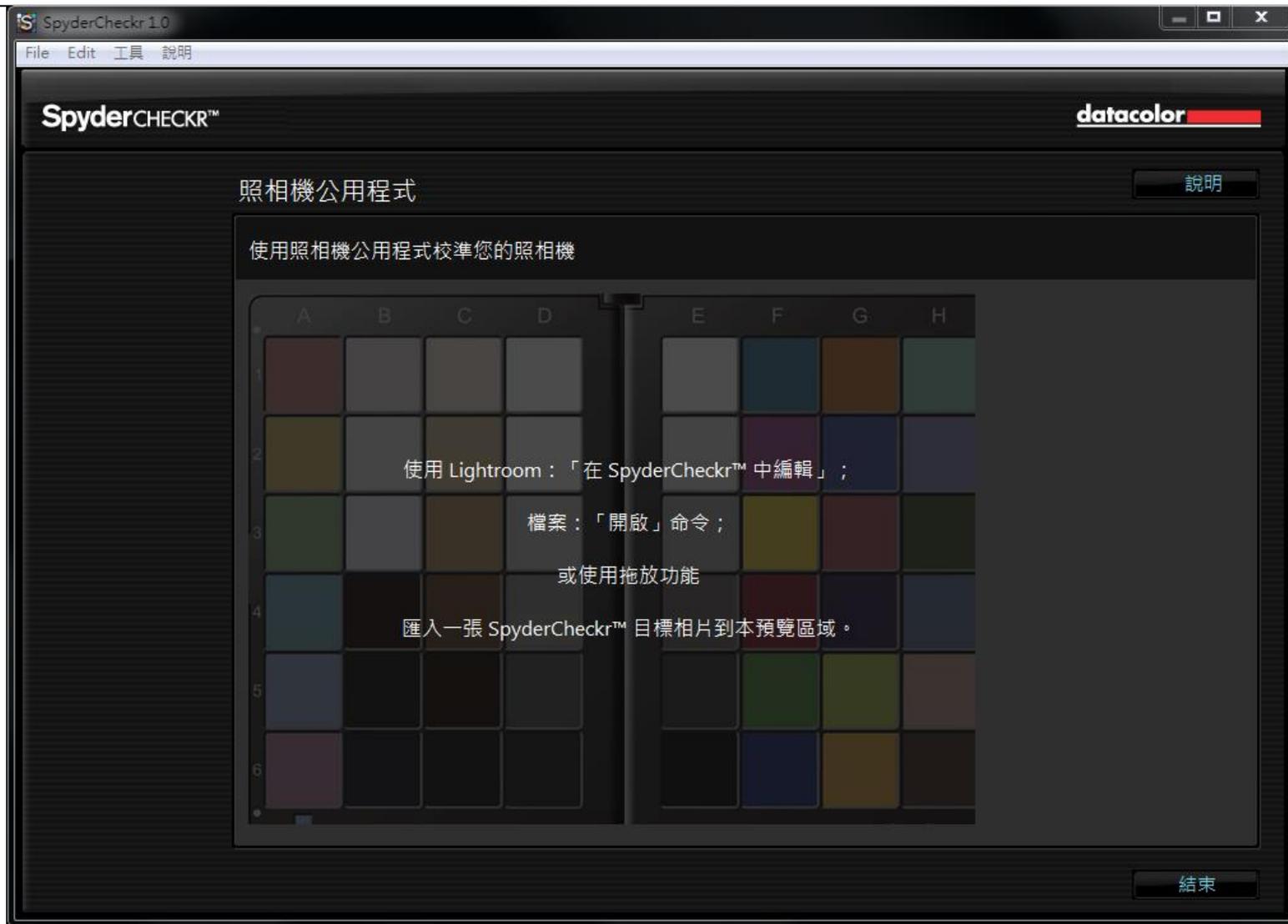
(二)先調整白平衡，如果有SpyderCube，請點選SpyderCube的亮面白，如果沒有SpyderCube請點2E位置的白



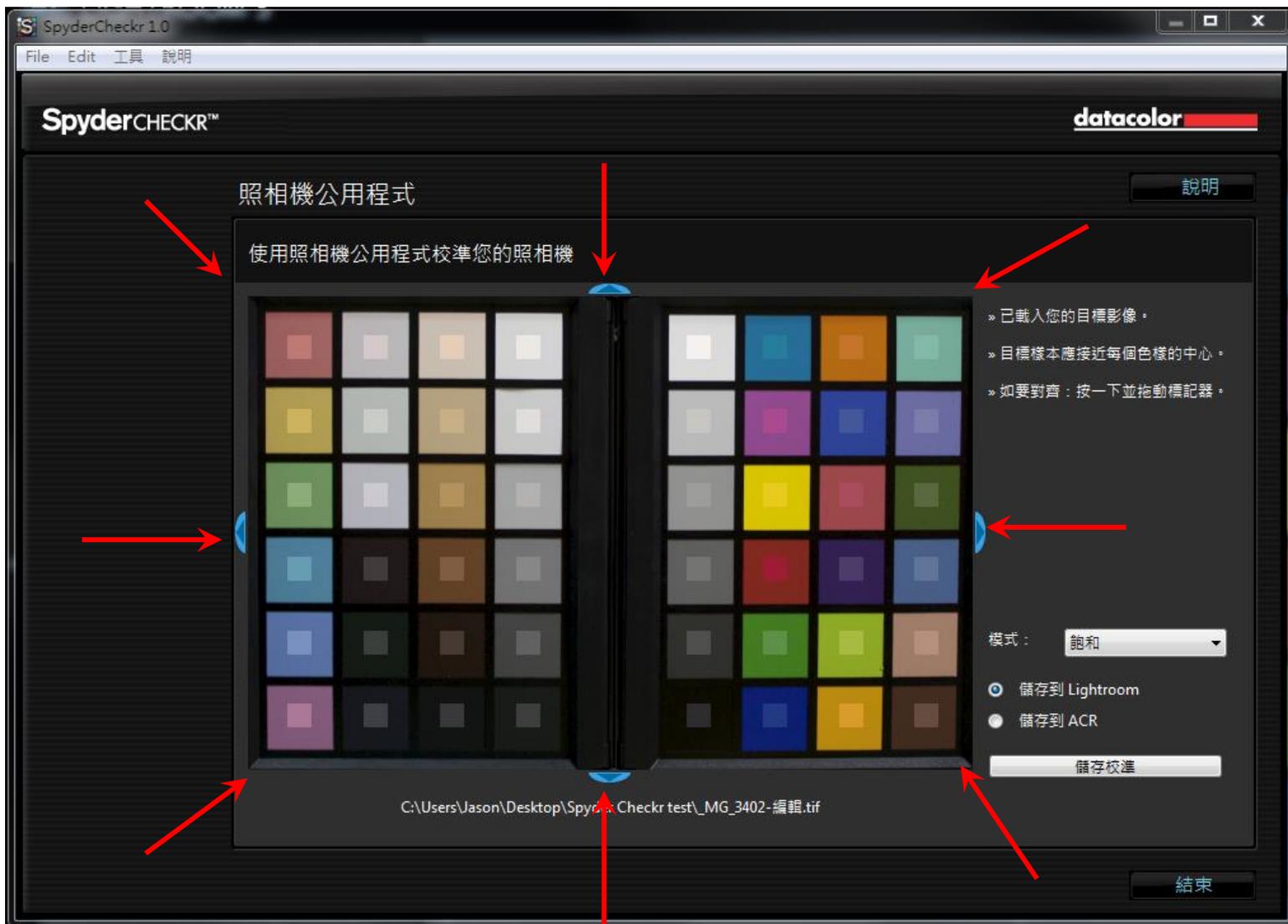
(三)調整曝光度與黑色與前述調整Lightroom相同，調整完後開啟影像，並存成JPEG 或 TIFF



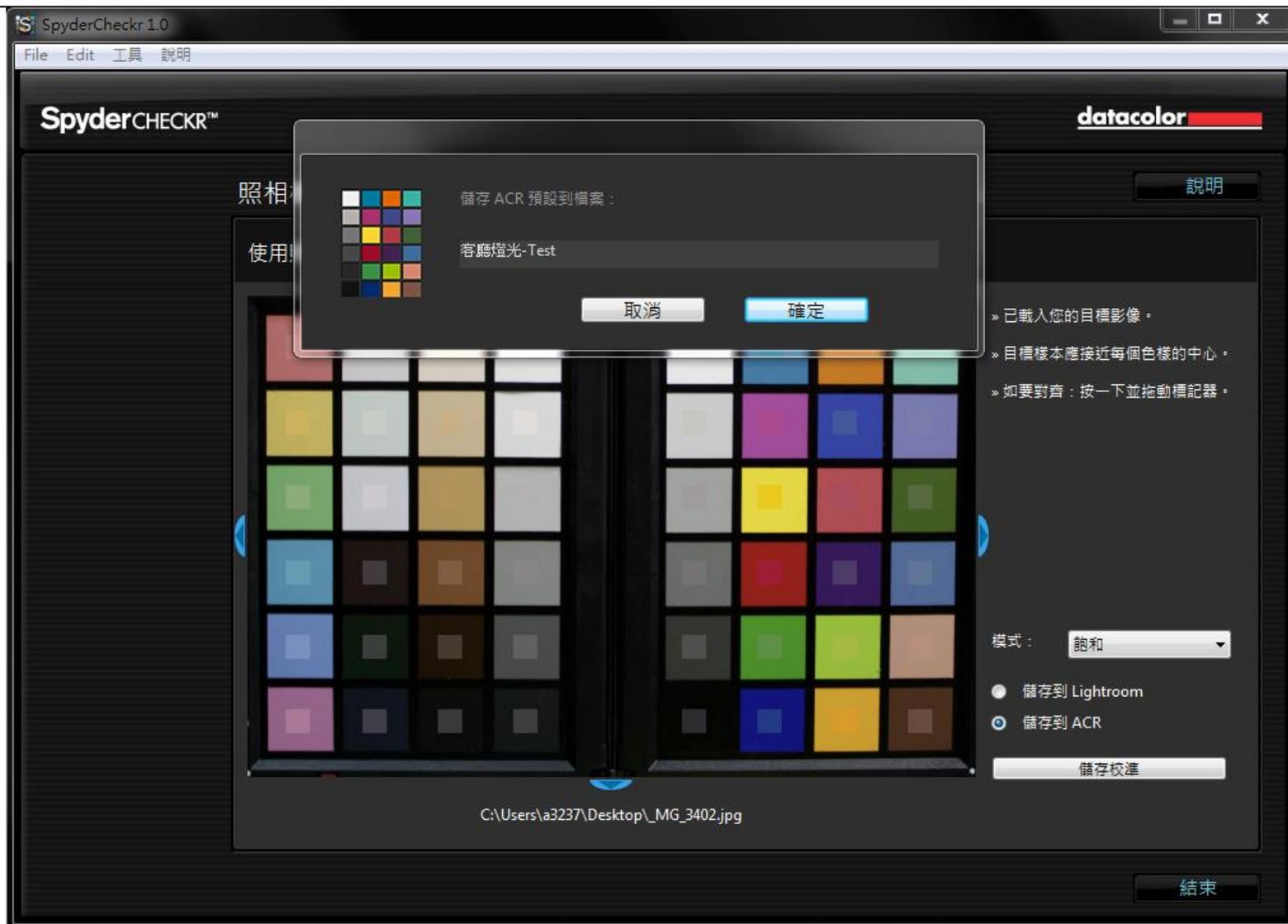
(四) 開啟SpyderCheckr程式，並開啟上一步所存成的JPEG 或是TIFF檔



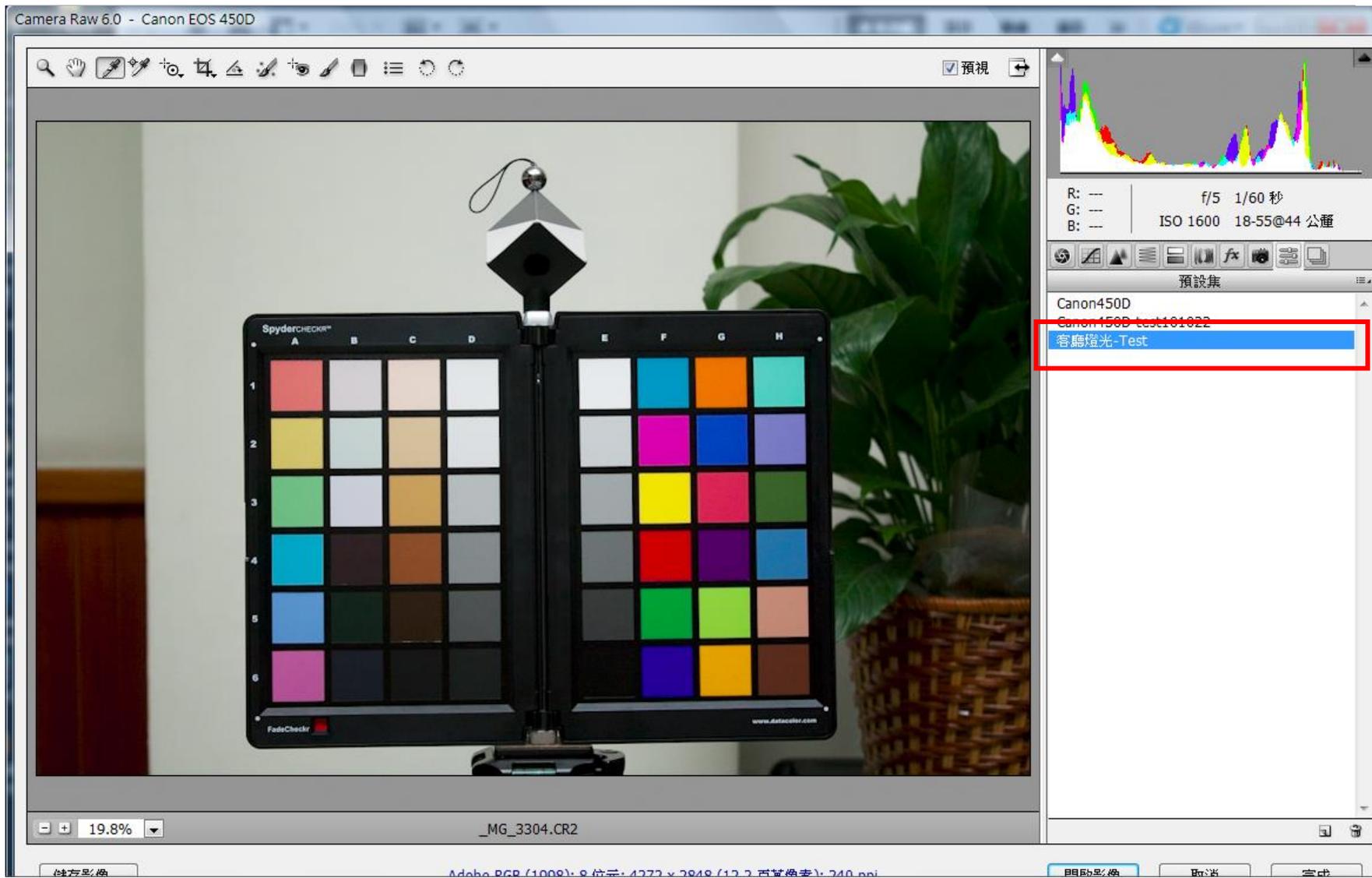
(五)如果色塊沒對齊可在上下左右或對角線拉齊



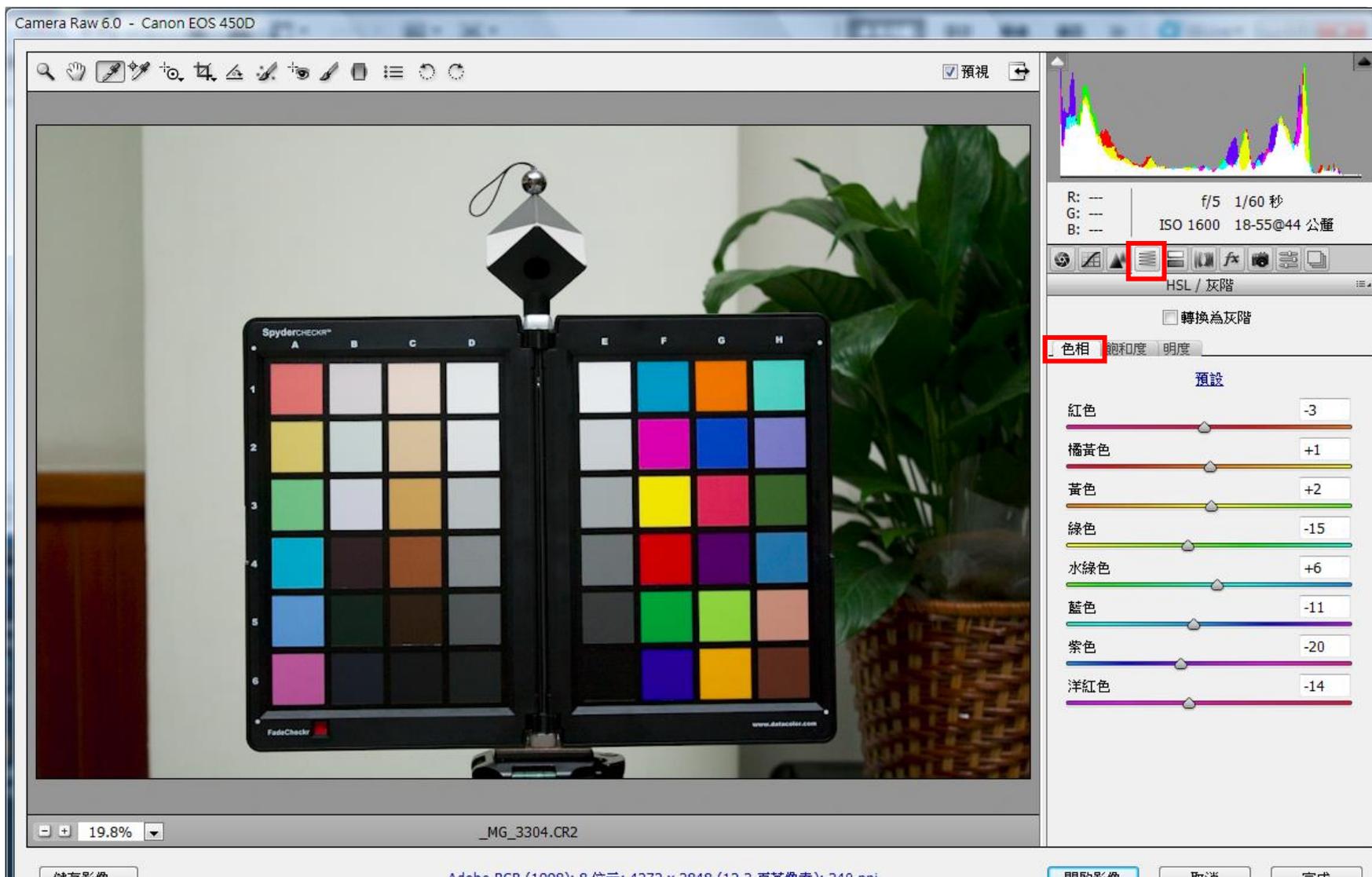
(六)將設定檔命名並存起來，然後將SpyderCheckr程式關閉



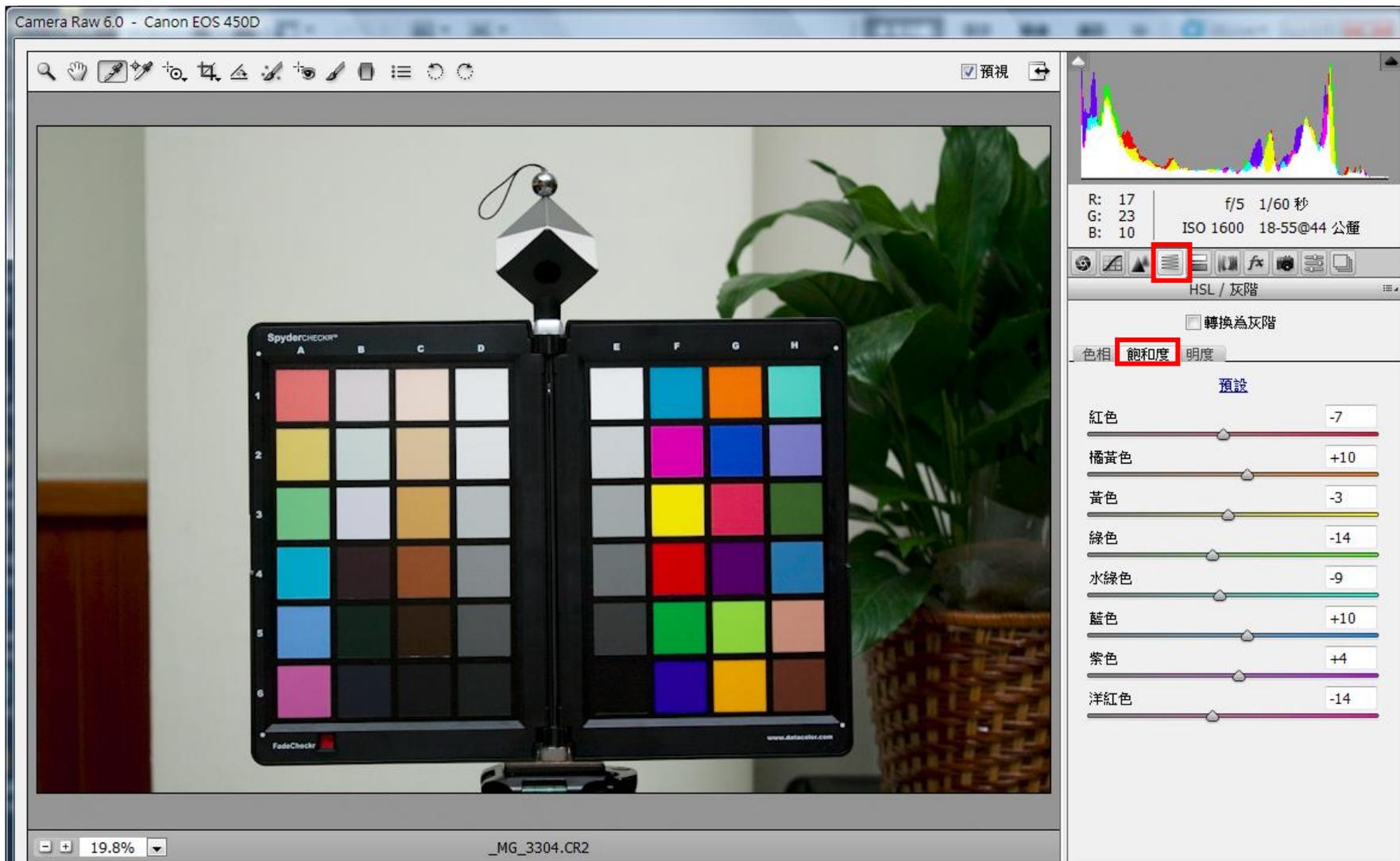
(七)重新開啟將RAW檔開啟，調整白平衡後，點選預設集，可看到之前SpyderCheckr程式所存的設定檔



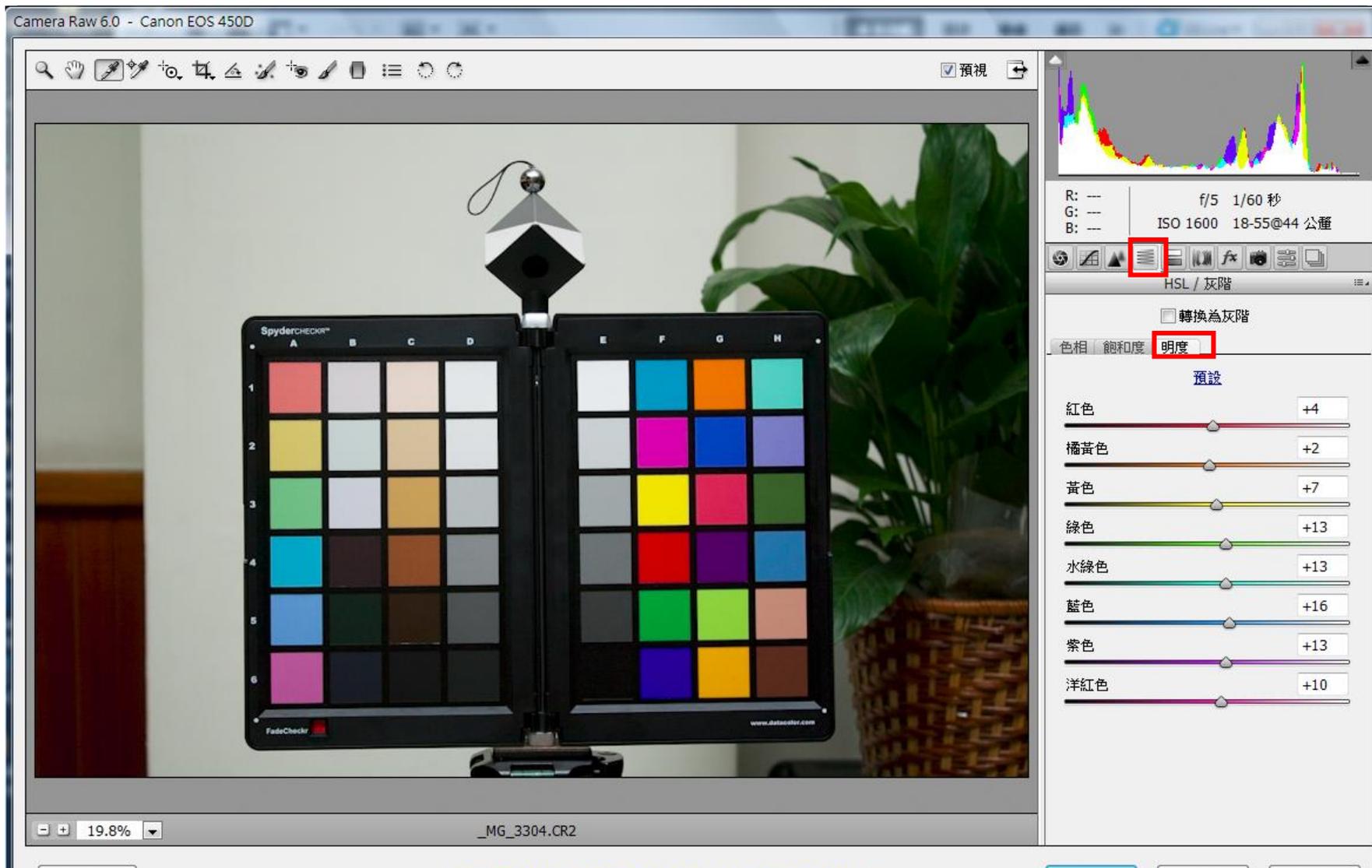
(八)點選設定檔後，可到HSL/灰階部分在色相、飽和度、明度均已完成調整



(八)點選設定檔後，可到HSL/灰階部分在色相、飽和度、明度已
完成調整



(八)點選設定檔後，可到HSL/灰階部分在色相、飽和度、明度已
完成調整





Finish!!