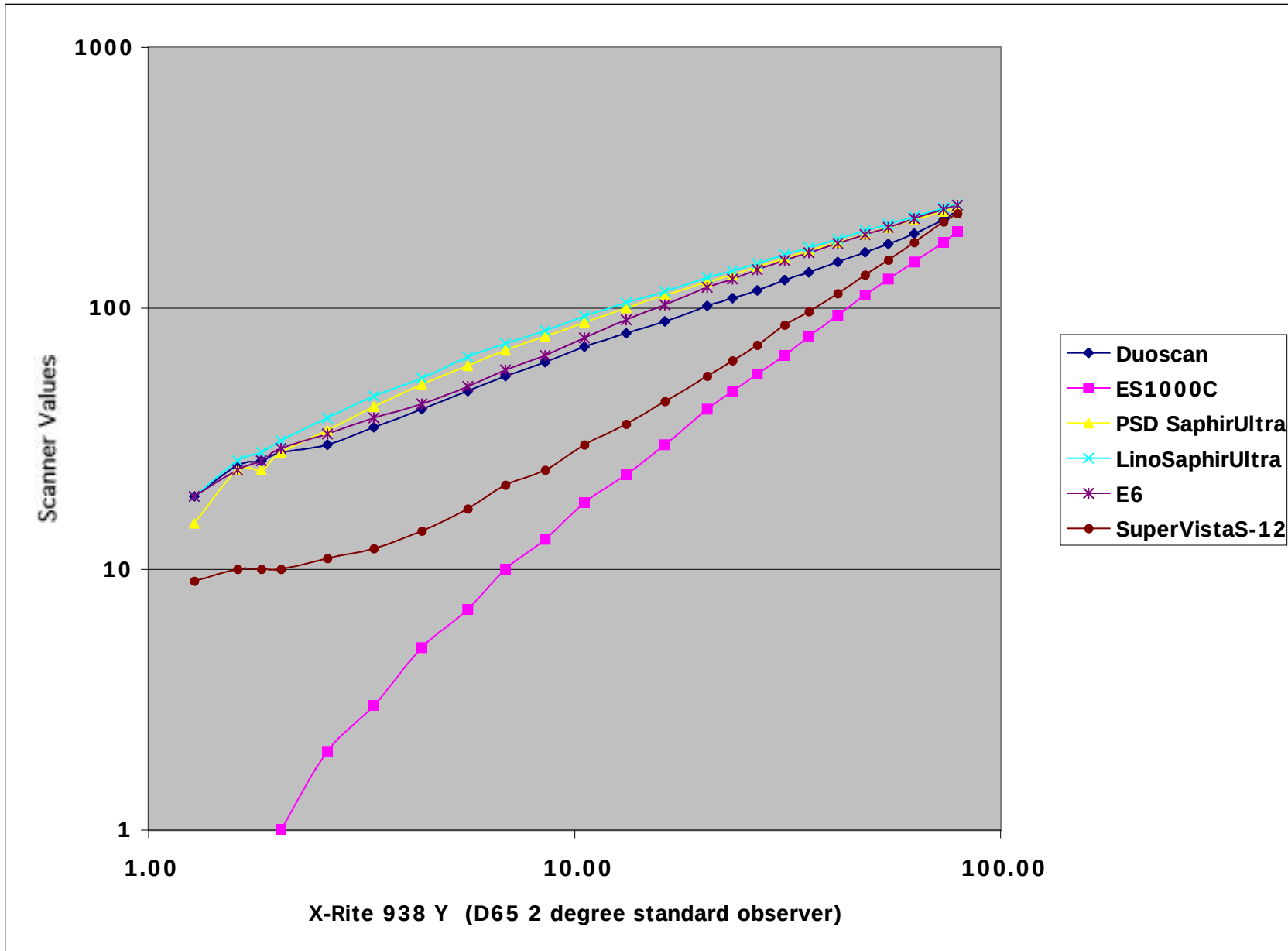


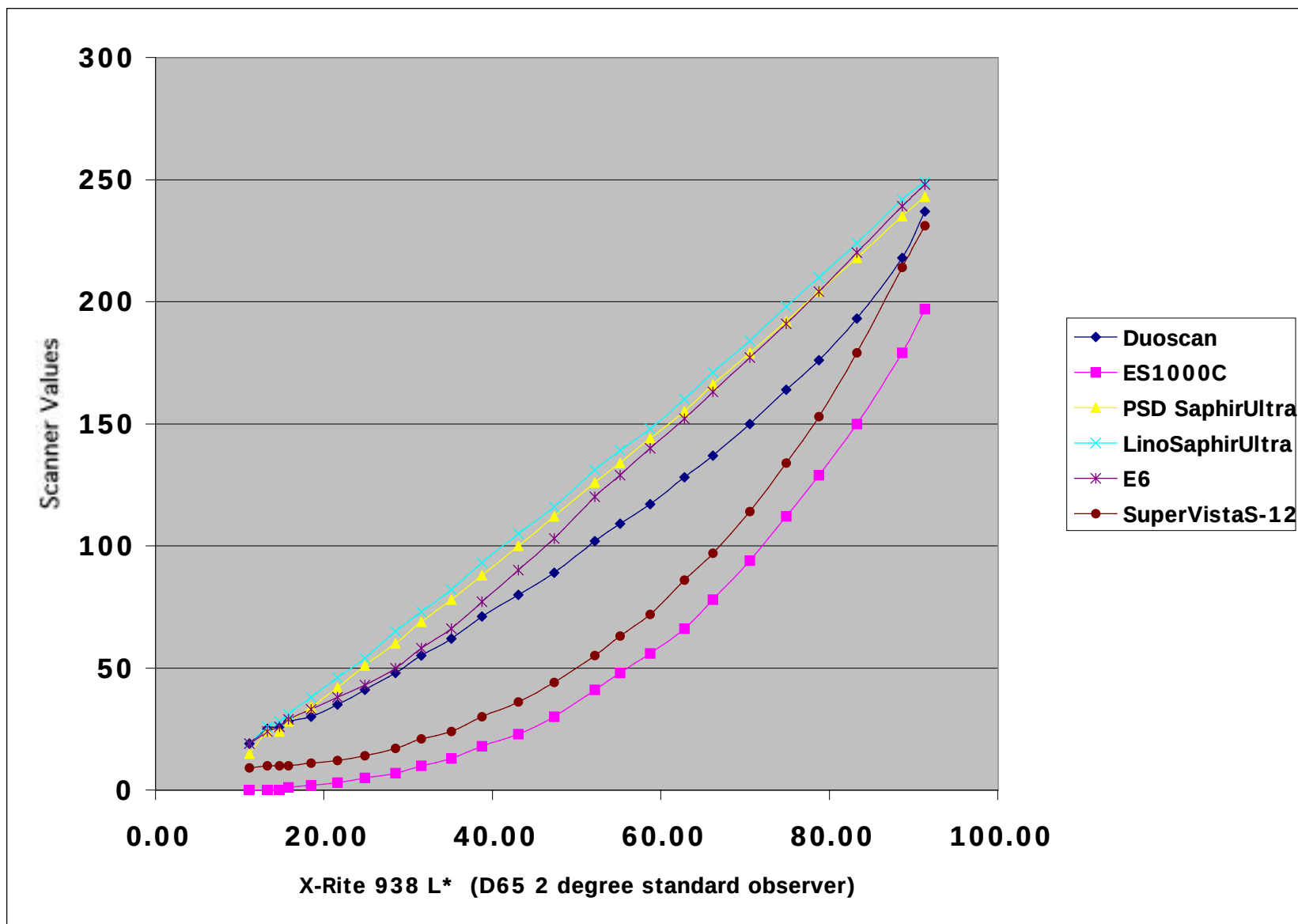
	AGFA IT8									
	D65 2degree	D65 2degree	D65 2degree	D65 2degree	Green Channel	Green Channel	Green Channel	L Channel	Green Channel	Green Channel
Label	X-Rite 938 Y	X-Rite 938 L*	ColorTron Y	ColorTron L*	Duoscan	ES1000C	PSD SaphirUltra	LinoSaphirUltra	E6	SuperVistaS-12
0	79.39	91.35	82.88	92.96	237	197	243	249	248	231
1	73.50	88.68	76.23	89.97	218	179	235	242	239	214
2	62.76	83.31	64.87	84.42	193	150	218	224	220	179
3	54.52	78.80	56.38	79.83	176	129	204	210	204	153
4	48.10	74.91	49.62	75.84	164	112	192	198	191	134
5	41.53	70.59	42.69	71.35	150	94	179	184	177	114
6	35.53	66.16	36.54	66.93	137	78	166	171	163	97
7	31.18	62.80	32.06	63.39	128	66	155	160	152	86
8	26.88	58.76	27.36	59.31	117	56	144	148	140	72
9	23.48	55.15	23.83	55.92	109	48	134	139	129	63
10	20.53	52.14	20.76	52.69	102	41	126	131	120	55
11	16.31	47.35	16.40	47.50	89	30	112	116	103	44
12	13.23	43.06	13.23	43.10	80	23	100	105	90	36
13	10.55	38.74	10.47	38.67	71	18	88	93	77	30
14	8.54	35.15	8.44	34.88	62	13	78	82	66	24
15	6.89	31.59	6.65	31.00	55	10	69	73	58	21
16	5.62	28.50	5.23	27.37	48	7	60	65	50	17
17	4.39	24.88	3.94	23.47	41	5	51	54	43	14
18	3.38	21.59	2.96	19.87	35	3	42	46	38	12
19	2.63	18.45	2.13	16.17	30	2	34	38	33	11
20	2.05	15.76	1.54	12.85	28	1	28	31	29	10
21	1.84	14.71	1.29	11.23	26	0	24	28	26	10
22	1.62	13.28	1.08	9.67	25	0	24	26	24	10
23	1.28	11.14	0.71	6.45	19	0	15	19	19	9
			Estimated Gamma:		1.70	0.85	2.28	2.46	2.15	1.09
Observations just from the numbers:										
	All of the scanners do OK in the highlights									
	The AGFA Duoscan, LinoColor Saphir Ultra and Microtek E6 do well in the midtones									
	TheEpson ES1000C and the UMAX SuperVista S-12 are weak in the midtones									
	The AGFA Duoscan, LinoColor Saphir Ultra and Microtek E6 are still doing well in the shadows									
	The Epson ES1000C has no definition in the shadows, despite the fact that I can easily see the difference between the last 9 tiles on the real card									
	The UMAX SuperVista S-12 doesn't do much better									
Conclusions from the numbers:										
	The scanners that use gamma encoding have better image quality									
	The scanners that don't use gamma encoding have poor image quality									

Log-Log plot of Scanner Values versus CIE Y



The Duoscan, LinoColor Saphir Ultra and Microtek E6 are all doing gamma encoding.
(although the Microtek looks like it might be doing something funny)
The Epson ES1000C and the UMAX SuperVista S-12 are not gamma encoded.

Linear-Linear plot of Scanner Values versus CIE L*



The LinoColor Saphir Ultra appears to be in pretty good agreement with L*

The Microtek E6 is close, but appears to have some teaking or errors

The AGFS Duoscan appears to have a lower gamma (1.8?)

The Epson ES1000C and the UMAX SuperVista S-12 both appear to be linear devices (gamma = 1.0)