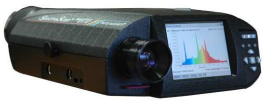
Audio & Video Calibration
and
Consulting

Calibration Report

Photo Research PR-670 Verified Color and Sencore SP-495 with
Earthworks M30 Microphone Sound Measurements



W. Jeff Meier
Phone: 573-480-9664
Email: jeff@accucalhd.com
www.accucalhd.com

Owner: *Dan*
Manufacturer: *Panasonic*
Model: *VT50*
Calibrator: *W. Jeff Meier*
Date: *March 8, 2013*

AccuCal™

Pre Calibration Results

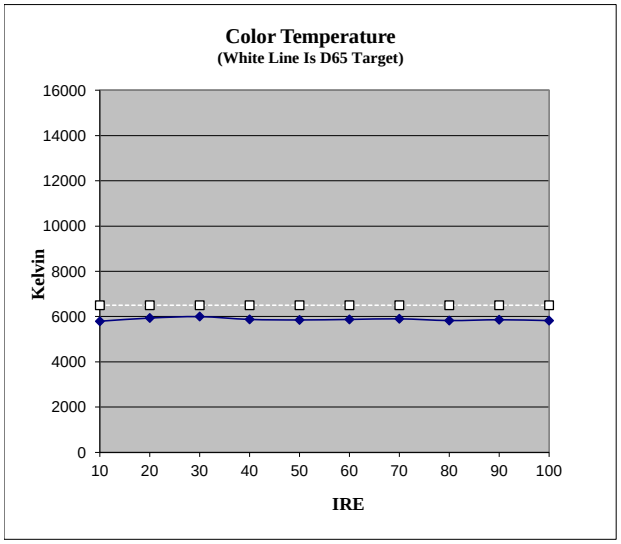
IRE	x	y	Y,fL	ΔEu*v*	Kelvin	Gamma	%Red	%Green	%Blue
0	0.3802	0.2927	0.031	88	-	-	188%	59%	93%
10	0.3265	0.3264	0.250	14	5791	-	117%	94%	97%
20	0.3230	0.3366	1.069	9	5937	-	109%	101%	94%
30	0.3219	0.3332	2.518	8	6002	2.16	109%	100%	96%
40	0.3244	0.3360	4.849	10	5874	2.30	111%	100%	94%
50	0.3247	0.3394	7.924	11	5851	2.21	110%	102%	92%
60	0.3244	0.3371	11.874	10	5873	2.23	111%	101%	93%
70	0.3237	0.3382	16.853	10	5902	2.28	110%	102%	93%
80	0.3253	0.3399	22.542	11	5823	2.18	111%	102%	92%
90	0.3246	0.3382	29.122	11	5860	2.18	111%	101%	93%
100	0.3253	0.3400	36.756	12	5821	2.21	111%	102%	92%

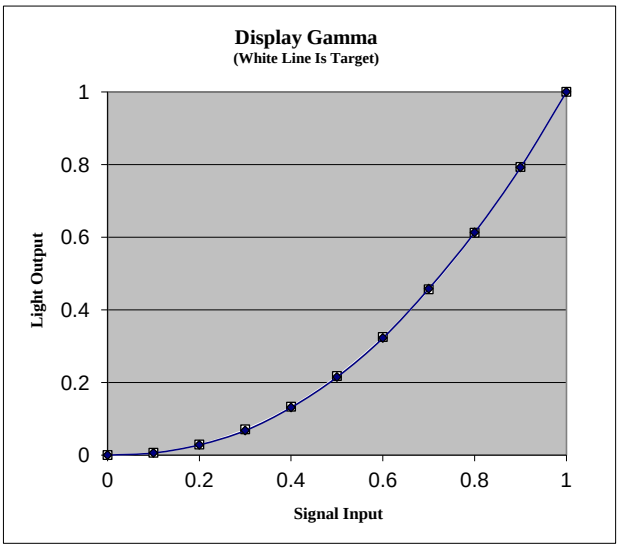
	x	y
Red	0.6364	0.3286
Green	0.3069	0.5905
Blue	0.1481	0.0651
Cyan	0.2304	0.3402
Magenta	0.3335	0.1637
Yellow	0.4265	0.4946
White	0.3253	0.3400
Skin	0.4432	0.3791
Sky	0.2530	0.2596
Foliage	0.3475	0.4455

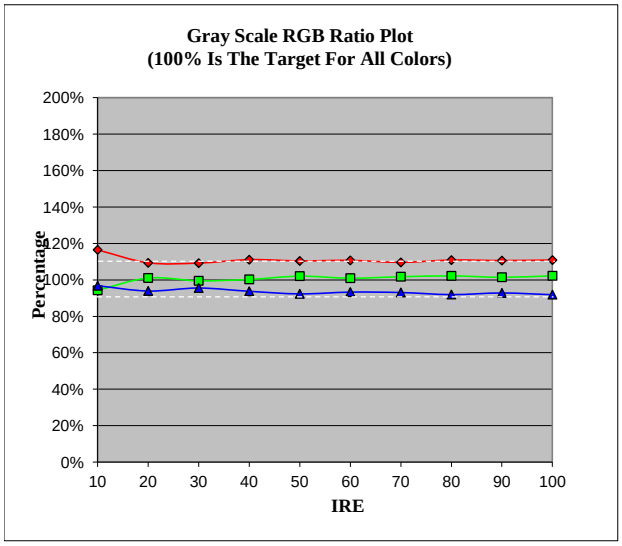
On/Off Contrast Ratio	1178

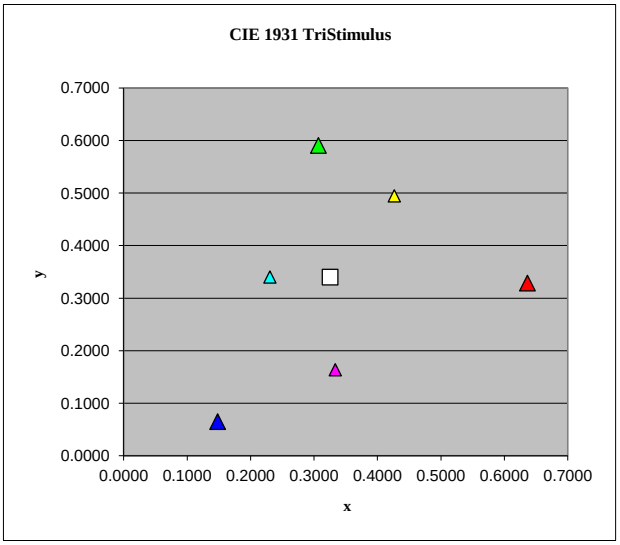
Average Gamma	2.22

Perceived Saturation	106%







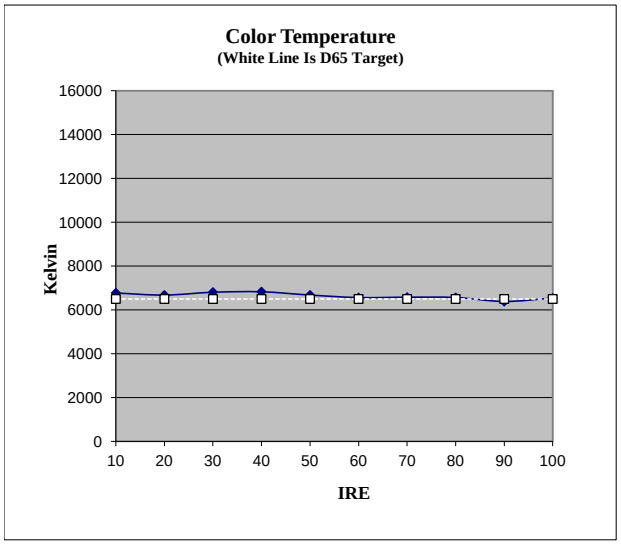


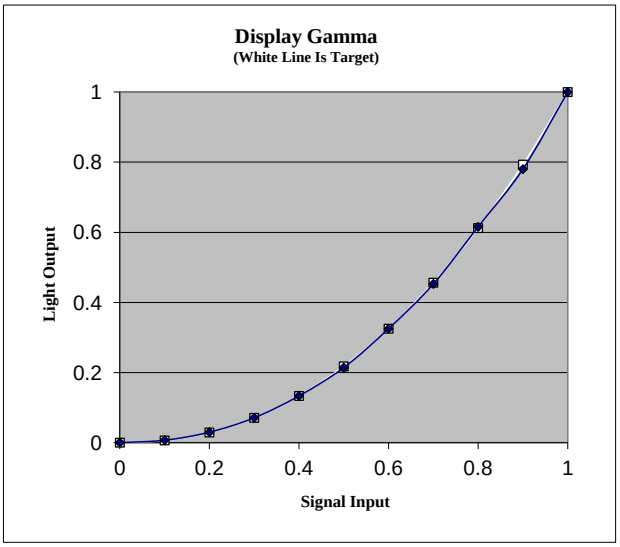
Post Calibration Results

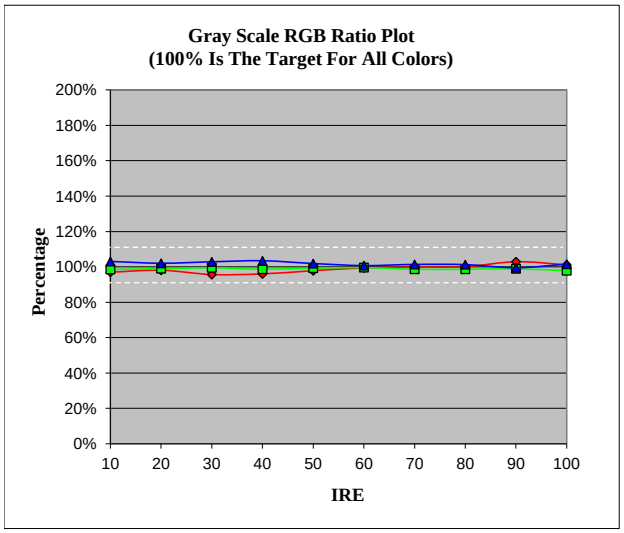
IRE	x	y	Y,fL	ΔEu*v*	Kelvin	Gamma	%Red	%Green	%Blue
0	0.3763	0.3302	0.002	59	-	-	172%	81%	80%
10	0.3087	0.3243	0.318	4	6776	-	97%	99%	103%
20	0.3101	0.3258	1.214	3	6679	-	98%	99%	102%
30	0.3079	0.3255	2.832	4	6811	2.14	96%	100%	103%
40	0.3078	0.3240	5.279	5	6832	2.19	96%	99%	103%
50	0.3100	0.3263	8.454	3	6680	2.12	98%	99%	102%
60	0.3118	0.3278	12.813	1	6564	2.29	99%	100%	101%
70	0.3118	0.3262	17.830	2	6581	2.15	100%	99%	101%
80	0.3120	0.3263	24.227	2	6568	2.30	100%	99%	101%
90	0.3151	0.3284	30.691	2	6384	2.01	103%	99%	100%
100	0.3126	0.3251	39.335	3	6541	2.36	101%	98%	102%

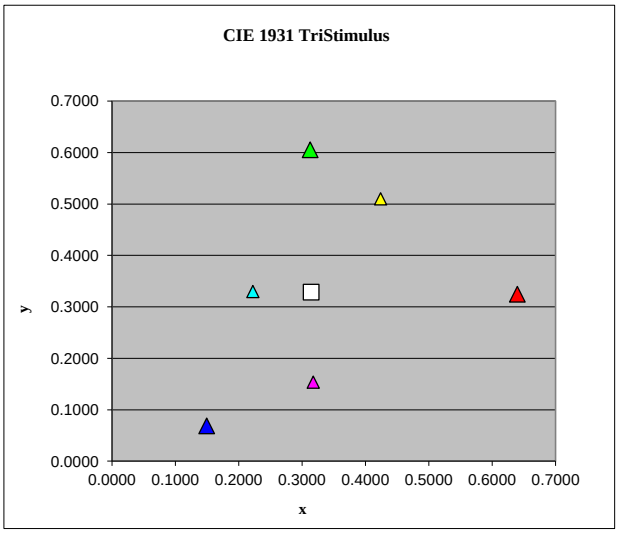
	x	y
Red	0.6398	0.3246
Green	0.3127	0.6055
Blue	0.1494	0.0686
Cyan	0.2223	0.3299
Magenta	0.3176	0.1536
Yellow	0.4239	0.5102
White	0.3143	0.3287
Skin	0.4187	0.3772
Sky	0.2449	0.2534
Foliage	0.3397	0.4337

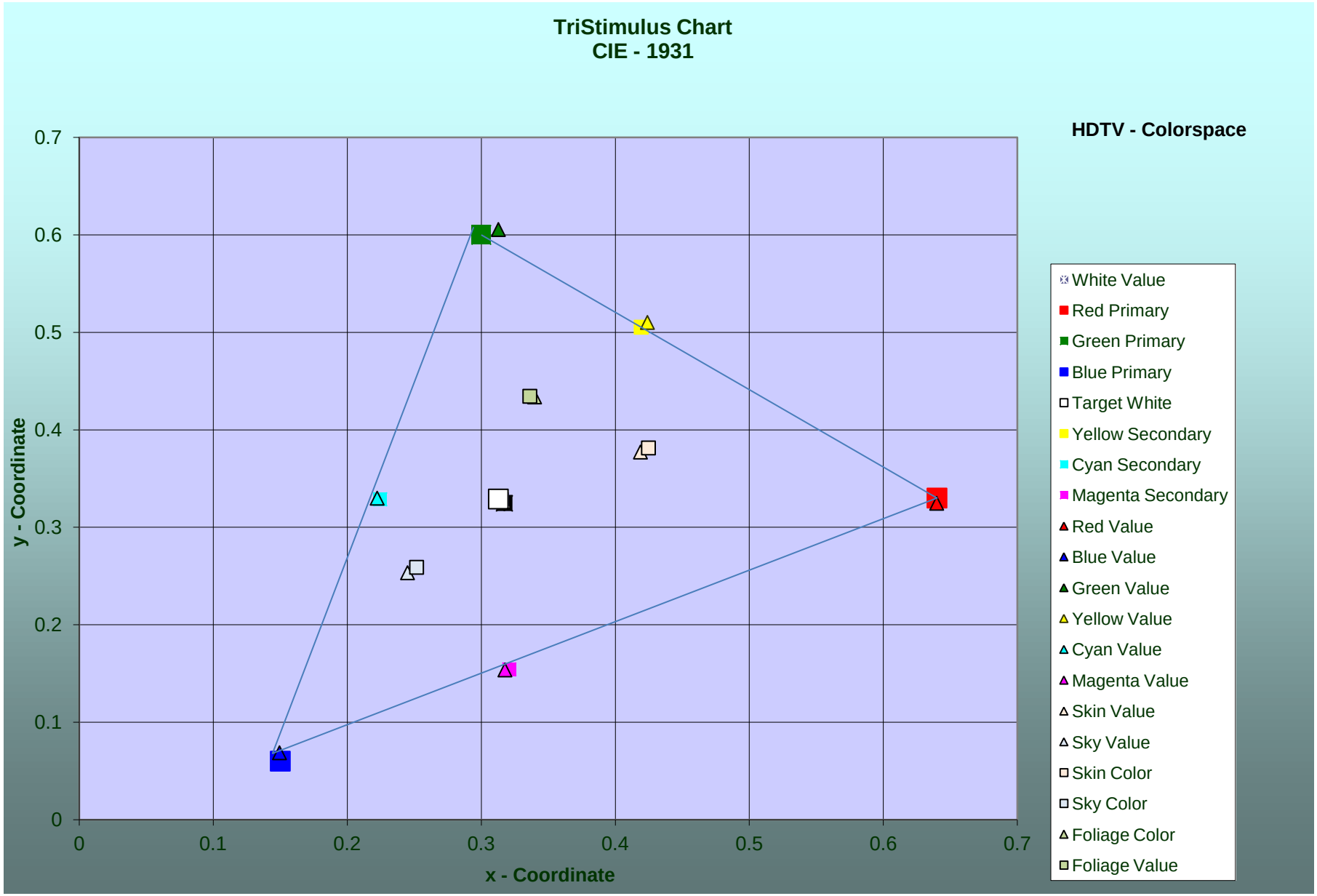
On/Off Contrast Ratio	16162
Average Gamma	2.20
Perceived Saturation	101%










TriStimulus Chart
CIE - 1931
HDTV - Colorspace
y - Coordinate
x - Coordinate
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
White Value
Red Primary
Green Primary
Blue Primary
Target White
Yellow Secondary
Cyan Secondary
Magenta Secondary
Red Value
Blue Value
Green Value
Yellow Value
Cyan Value
Magenta Value
Skin Value
Sky Value
Skin Color
Sky Color
Foliage Color
Foliage Value

AccuCal™

This service will ensure you are receiving peak performance from your home theater system. State of the art test equipment and design tools are used to achieve optimal results from your display and sound system.

Services Include:

- Video calibration to refine color, contrast and resolution to achieve the through the window look you paid for.
- Audio calibration to optimize your system's frequency response, clarity and balance so you can enjoy the sound as it was meant to be heard.
- Consultation to aid you in the selection of equipment that matches your needs and budget.
- Acoustical design and strategic speaker placement to immerse the room with vibrant sound.
- Video design to attain maximum display performance within your room.

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- Over two hundred home theaters a year.
- Degreed engineer.
- Modest to high end home theaters around the country.

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