

**COMMITTEE T1
CONTRIBUTION**

Document Number: T1A1.5/94-119R1

STANDARDS PROJECT: Analog Interface Performance Specifications for Digital
Video Teleconferencing/Video Telephony Service

TITLE: NTIA/ITS Subjective Test Data

ISSUE ADDRESSED: T1A1.5 Subjective Testing

SOURCE: National Telecommunications and Information
Administration
Institute for Telecommunication Sciences
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DATE: 28 March 1994

DISTRIBUTION TO: T1A1.5

KEYWORDS: Video Quality, Video Performance Specifications, Objective
Quality, Subjective Quality

DISCLAIMER:

1. Introduction

The Institute for Telecommunication Sciences has completed subjective testing of the T1A1.5 video. As required by the Subjective Test Plan (T1A1.5/93-014 R5), both the raw subjective test scores and summary data have been made available to T1A1.5 participants. This document describes how to access the data and provides a summary of the data.

2. Data Access

The data has been posted on a Unix workstation at ITS. It can be accessed in the following manner from any computer with Internet access:

```
ftp ntia.its.blrdoc.gov
```

```
Name: anonymous
```

```
Password: <Your email address>
```

```
ftp> cd dist/t1a1/subjective
```

```
ftp> ascii
```

```
ftp> get <filename>
```

```
ftp> bye
```

It is suggested that the files be transferred using ascii mode to prevent transmission errors. The read.me file contains a complete description of all the subjective data files available for transfer. A description of each file is also included as part of this document.

The following files are available in this directory:

DEMOG	Demographics Information for all viewers
QUALIFY	Viewers scores, NULL checks & repeat checks excluded.
REPEAT	Viewers scores, repeat checks only.
SCORES	All viewers scores, including order viewed information
SUMMARY1	Summary of all HRCs, scenes 'a' through 'm'
SUMMARY2	Summary of all HRCs, scenes 'n' through 'y'
read.me	"Read me" information file
scenes	Scene name to letter cross reference
HRC.01	HRC 1 summary table: viewers' scores + summary statistics
HRC.02	HRC 2 summary table: viewers' scores + summary statistics
HRC.03	HRC 3 summary table: viewers' scores + summary statistics
HRC.04	HRC 4 summary table: viewers' scores + summary statistics
HRC.05	HRC 5 summary table: viewers' scores + summary statistics
HRC.06	HRC 6 summary table: viewers' scores + summary statistics
HRC.07	HRC 7 summary table: viewers' scores + summary statistics
HRC.08	HRC 8 summary table: viewers' scores + summary statistics
HRC.09	HRC 9 summary table: viewers' scores + summary statistics
HRC.10	HRC 10 summary table: viewers' scores + summary statistics
HRC.11	HRC 11 summary table: viewers' scores + summary statistics

HRC.12	HRC 12 summary table: viewers' scores + summary statistics
HRC.13	HRC 13 summary table: viewers' scores + summary statistics
HRC.14	HRC 14 summary table: viewers' scores + summary statistics
HRC.15	HRC 15 summary table: viewers' scores + summary statistics
HRC.16	HRC 16 summary table: viewers' scores + summary statistics
HRC.17	HRC 17 summary table: viewers' scores + summary statistics
HRC.18	HRC 18 summary table: viewers' scores + summary statistics
HRC.19	HRC 19 summary table: viewers' scores + summary statistics
HRC.20	HRC 20 summary table: viewers' scores + summary statistics
HRC.21	HRC 21 summary table: viewers' scores + summary statistics
HRC.22	HRC 22 summary table: viewers' scores + summary statistics
HRC.23	HRC 23 summary table: viewers' scores + summary statistics
HRC.24	HRC 24 summary table: viewers' scores + summary statistics
HRC.25	HRC 25 summary table: viewers' scores + summary statistics

Please direct questions or problems to:

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3. Data Summary

3.1 Read.me File

A "READ.ME" file is included which briefly describes the contents of each file. This readme file is similar in content to this paper.

3.2 Subjective Test Results Summary

Files 'SUMMARY1' and 'SUMMARY2' display the mean, standard deviation, standard error, minimum, and maximum score values for each scene/HRC combination. The ten qualifying viewers' scores were used for these calculations. These statistics are displayed to three decimal places in the table. Information is split into two files. The first file, 'SUMMARY1', contains summary information for scenes A through M; the second file, 'SUMMARY2', contains summary information for scenes N through Y.

These files are listed below on facing pages, for your convenience.

SUMMARY1

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
1	MEAN	4.90	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.00	5.00	5.00	5.00
	S.D.	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00
	S.E.	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
	MAX	5	5	5	5	5	5	5	5	5	5	5	5	5
	MIN	4	5	5	5	5	5	5	5	4	5	5	5	5

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
2	MEAN	4.30	4.10	3.50	4.30	4.60	4.20	4.30	4.20	4.30	4.20	4.50	4.60	5.00
	S.D.	0.82	0.74	0.85	0.82	0.52	0.79	0.67	0.63	0.48	0.63	0.53	0.52	0.00
	S.E.	0.26	0.23	0.27	0.26	0.16	0.25	0.21	0.20	0.15	0.20	0.17	0.16	0.00
	MAX	5	5	5	5	5	5	5	5	5	5	5	5	5
	MIN	3	3	2	3	4	3	3	3	4	3	4	4	5

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
3	MEAN	4.90	5.00	4.80	5.00	4.90	5.00	5.00	4.80	4.80	5.00	5.00	5.00	5.00
	S.D.	0.32	0.00	0.42	0.00	0.32	0.00	0.00	0.42	0.42	0.00	0.00	0.00	0.00
	S.E.	0.10	0.00	0.13	0.00	0.10	0.00	0.00	0.13	0.13	0.00	0.00	0.00	0.00
	MAX	5	5	5	5	5	5	5	5	5	5	5	5	5
	MIN	4	5	4	5	4	5	5	4	4	5	5	5	5

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
4	MEAN	3.05	2.60	2.65	2.60	2.10	3.05	2.65	1.90	1.25	3.10	3.50	3.60	1.90
	S.D.	0.89	0.94	0.75	0.99	0.85	0.76	0.81	0.72	0.44	0.64	0.61	0.75	0.85
	S.E.	0.20	0.21	0.17	0.22	0.19	0.17	0.18	0.16	0.10	0.14	0.14	0.17	0.19
	MAX	4	4	4	4	4	4	4	3	2	4	4	5	4
	MIN	1	1	1	1	1	1	1	1	1	2	2	2	1

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
5	MEAN	3.50	3.10	2.80	3.10	3.00	3.60	3.10	2.60	1.50	3.40	3.80	4.00	2.90
	S.D.	0.85	0.74	0.79	0.88	0.82	0.70	0.88	0.70	0.85	0.52	0.63	0.47	0.88
	S.E.	0.27	0.23	0.25	0.28	0.26	0.22	0.28	0.22	0.27	0.16	0.20	0.15	0.28
	MAX	5	4	4	4	4	5	4	3	3	4	5	5	4
	MIN	2	2	1	1	2	3	2	1	1	3	3	3	1

SUMMARY2

HRC		n	o	p	q	r	s	t	u	v	w	x	y
1	MEAN	5.00	4.80	5.00	4.90	5.00	4.40	5.00	5.00	4.90	5.00	5.00	4.90
	S.D.	0.00	0.42	0.00	0.32	0.00	0.97	0.00	0.00	0.32	0.00	0.00	0.32
	S.E.	0.00	0.13	0.00	0.10	0.00	0.31	0.00	0.00	0.10	0.00	0.00	0.10
	MAX	5	5	5	5	5	5	5	5	5	5	5	5
	MIN	5	4	5	4	5	2	5	5	4	5	5	4

HRC		n	o	p	q	r	s	t	u	v	w	x	y
2	MEAN	4.70	4.90	4.30	4.60	4.50	4.20	4.60	4.20	4.00	4.10	4.20	4.60
	S.D.	0.48	0.32	0.67	0.97	0.71	0.63	0.52	0.63	0.94	0.74	0.63	0.52
	S.E.	0.15	0.10	0.21	0.31	0.22	0.20	0.16	0.20	0.30	0.23	0.20	0.16
	MAX	5	5	5	5	5	5	5	5	5	5	5	5
	MIN	4	4	3	2	3	3	4	3	2	3	3	4

HRC		n	o	p	q	r	s	t	u	v	w	x	y
3	MEAN	5.00	4.80	4.60	4.90	5.00	4.80	5.00	4.80	4.60	4.80	5.00	4.50
	S.D.	0.00	0.42	0.70	0.32	0.00	0.42	0.00	0.42	0.97	0.42	0.00	0.53
	S.E.	0.00	0.13	0.22	0.10	0.00	0.13	0.00	0.13	0.31	0.13	0.00	0.17
	MAX	5	5	5	5	5	5	5	5	5	5	5	5
	MIN	5	4	3	4	5	4	5	4	2	4	5	4

HRC		n	o	p	q	r	s	t	u	v	w	x	y
4	MEAN	1.60	2.75	2.30	1.30	1.70	1.30	1.45	3.50	2.20	2.70	2.80	1.50
	S.D.	0.75	0.91	0.80	0.73	0.80	0.57	0.60	0.61	0.89	0.80	0.89	0.76
	S.E.	0.17	0.20	0.18	0.16	0.18	0.13	0.14	0.14	0.20	0.18	0.20	0.17
	MAX	3	4	4	3	3	3	3	4	4	4	4	3
	MIN	1	1	1	1	1	1	1	2	1	1	1	1

HRC		n	o	p	q	r	s	t	u	v	w	x	y
5	MEAN	2.20	3.20	3.50	2.30	2.60	1.60	1.80	3.70	3.50	2.60	3.00	2.70
	S.D.	0.63	0.63	0.53	0.67	0.97	0.70	0.79	0.48	0.71	0.84	0.67	0.67
	S.E.	0.20	0.20	0.17	0.21	0.31	0.22	0.25	0.15	0.22	0.27	0.21	0.21
	MAX	3	4	4	3	4	3	3	4	5	4	4	4
	MIN	1	2	3	1	1	1	1	3	3	1	2	2

SUMMARY1

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
6	MEAN	3.10	2.30	2.30	2.50	1.90	3.40	2.10	2.00	1.20	2.80	3.00	3.40	1.50
	S.D.	0.57	0.48	0.82	0.85	0.74	0.70	0.57	0.82	0.42	0.63	0.47	0.70	0.71
	S.E.	0.18	0.15	0.26	0.27	0.23	0.22	0.18	0.26	0.13	0.20	0.15	0.22	0.22
	MAX	4	3	3	4	3	5	3	3	2	4	4	4	3
	MIN	2	2	1	1	1	3	1	1	1	2	2	2	1

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
7	MEAN	4.10	2.80	2.80	3.30	3.40	4.10	3.60	3.10	1.90	4.00	4.10	4.20	2.70
	S.D.	0.57	0.63	0.63	0.67	0.84	0.32	0.52	0.57	0.88	0.67	0.74	0.63	0.67
	S.E.	0.18	0.20	0.20	0.21	0.27	0.10	0.16	0.18	0.28	0.21	0.23	0.20	0.21
	MAX	5	4	4	4	4	5	4	4	3	5	5	5	4
	MIN	3	2	2	2	2	4	3	2	1	3	3	3	2

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
8	MEAN	4.10	3.70	3.30	3.40	3.40	4.00	3.90	2.80	1.90	4.20	4.20	4.30	3.30
	S.D.	0.74	0.48	0.82	0.70	0.84	0.47	0.57	0.63	0.99	0.63	0.42	0.48	0.48
	S.E.	0.23	0.15	0.26	0.22	0.27	0.15	0.18	0.20	0.31	0.20	0.13	0.15	0.15
	MAX	5	4	4	4	5	5	5	4	4	5	5	5	4
	MIN	3	3	2	2	2	3	3	2	1	3	4	4	3

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
9	MEAN	4.40	3.20	2.20	3.80	2.90	4.60	4.40	2.80	2.00	3.90	4.50	4.30	3.00
	S.D.	0.70	0.92	0.63	0.42	0.88	0.52	0.52	0.92	0.94	0.57	0.71	0.67	1.15
	S.E.	0.22	0.29	0.20	0.13	0.28	0.16	0.16	0.29	0.30	0.18	0.22	0.21	0.37
	MAX	5	5	3	4	4	5	5	4	3	5	5	5	4
	MIN	3	2	1	3	1	4	4	1	1	3	3	3	1

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
10	MEAN	4.90	3.80	3.10	3.40	3.80	4.40	4.20	3.20	2.40	4.30	4.40	4.70	3.60
	S.D.	0.32	0.79	0.88	0.52	0.79	0.70	0.63	0.63	0.97	0.48	0.52	0.48	0.70
	S.E.	0.10	0.25	0.28	0.16	0.25	0.22	0.20	0.20	0.31	0.15	0.16	0.15	0.22
	MAX	5	5	4	4	5	5	5	4	4	5	5	5	5
	MIN	4	3	2	3	3	3	3	2	1	4	4	4	3

SUMMARY2

HRC		n	o	p	q	r	s	t	u	v	w	x	y
6	MEAN	1.50	1.90	2.70	1.30	1.80	1.20	2.30	3.20	2.50	2.10	2.00	2.20
	S.D.	0.53	0.99	0.67	0.48	0.42	0.42	0.67	0.79	0.71	0.74	0.67	0.79
	S.E.	0.17	0.31	0.21	0.15	0.13	0.13	0.21	0.25	0.22	0.23	0.21	0.25
	MAX	2	4	4	2	2	2	3	4	4	3	3	3
	MIN	1	1	2	1	1	1	1	2	2	1	1	1

HRC		n	o	p	q	r	s	t	u	v	w	x	y
7	MEAN	2.90	3.30	3.40	2.50	2.90	2.00	2.70	4.20	3.10	3.10	3.60	3.10
	S.D.	0.57	0.67	0.70	0.53	0.88	0.67	0.82	0.42	0.88	0.74	0.52	0.99
	S.E.	0.18	0.21	0.22	0.17	0.28	0.21	0.26	0.13	0.28	0.23	0.16	0.31
	MAX	4	4	4	3	4	3	4	5	5	4	4	5
	MIN	2	2	2	2	1	1	1	4	2	2	3	2

HRC		n	o	p	q	r	s	t	u	v	w	x	y
8	MEAN	3.40	3.60	3.80	3.30	3.70	2.50	3.20	4.10	3.50	4.10	4.10	3.20
	S.D.	0.70	0.52	0.63	0.67	0.48	1.08	0.42	0.32	0.53	0.74	0.32	0.92
	S.E.	0.22	0.16	0.20	0.21	0.15	0.34	0.13	0.10	0.17	0.23	0.10	0.29
	MAX	4	4	5	4	4	4	4	5	4	5	5	5
	MIN	2	3	3	2	3	1	3	4	3	3	4	2

HRC		n	o	p	q	r	s	t	u	v	w	x	y
9	MEAN	3.00	3.20	3.20	2.40	3.30	2.10	2.80	4.40	3.10	3.30	3.60	3.40
	S.D.	0.47	0.63	0.63	1.07	0.67	0.88	0.63	0.70	0.99	0.67	0.70	1.07
	S.E.	0.15	0.20	0.20	0.34	0.21	0.28	0.20	0.22	0.31	0.21	0.22	0.34
	MAX	4	4	4	4	4	3	4	5	4	4	5	5
	MIN	2	2	2	1	2	1	2	3	1	2	3	1

HRC		n	o	p	q	r	s	t	u	v	w	x	y
10	MEAN	3.90	3.50	3.50	3.20	4.10	3.00	3.00	4.70	4.40	4.30	3.90	3.70
	S.D.	0.57	0.71	0.85	0.42	0.74	0.47	0.47	0.48	0.52	0.48	0.57	0.67
	S.E.	0.18	0.22	0.27	0.13	0.23	0.15	0.15	0.15	0.16	0.15	0.18	0.21
	MAX	5	4	5	4	5	4	4	5	5	5	5	5
	MIN	3	2	2	3	3	2	2	4	4	4	3	3

SUMMARY1

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
11	MEAN	2.40	2.90	1.60	2.20	1.60	2.70	2.00	2.00	1.30	1.90	2.90	1.90	1.40
	S.D.	0.84	0.74	0.52	0.92	0.70	0.82	1.05	0.82	0.48	0.88	0.88	0.74	0.52
	S.E.	0.27	0.23	0.16	0.29	0.22	0.26	0.33	0.26	0.15	0.28	0.28	0.23	0.16
	MAX	4	4	2	3	3	4	4	3	2	3	4	3	2
	MIN	1	2	1	1	1	1	1	1	1	1	1	1	1
HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
12	MEAN	2.10	2.30	1.40	2.30	1.60	2.60	2.40	1.80	1.00	2.30	2.70	2.90	1.50
	S.D.	0.74	1.16	0.52	0.95	1.07	0.84	0.97	0.63	0.00	0.95	0.82	0.57	0.53
	S.E.	0.23	0.37	0.16	0.30	0.34	0.27	0.31	0.20	0.00	0.30	0.26	0.18	0.17
	MAX	3	4	2	4	4	4	4	3	1	4	4	4	2
	MIN	1	1	1	1	1	1	1	1	1	1	1	2	1
HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
13	MEAN	2.10	1.60	1.30	1.90	1.50	2.00	1.60	2.00	1.50	2.40	2.70	3.00	1.80
	S.D.	0.88	0.70	0.48	0.57	0.85	0.67	0.70	0.94	0.85	0.52	0.48	0.67	0.79
	S.E.	0.28	0.22	0.15	0.18	0.27	0.21	0.22	0.30	0.27	0.16	0.15	0.21	0.25
	MAX	4	3	2	3	3	3	3	3	3	3	3	4	3
	MIN	1	1	1	1	1	1	1	1	1	2	2	2	1
HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
14	MEAN	1.40	1.90	1.50	2.00	1.90	1.90	2.10	2.00	1.80	3.00	2.40	2.80	2.80
	S.D.	0.52	0.88	0.71	0.82	0.74	0.57	0.88	0.67	0.63	0.67	0.70	0.63	0.79
	S.E.	0.16	0.28	0.22	0.26	0.23	0.18	0.28	0.21	0.20	0.21	0.22	0.20	0.25
	MAX	2	3	3	3	3	3	3	3	3	4	3	4	4
	MIN	1	1	1	1	1	1	1	1	1	2	1	2	1
HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
15	MEAN	2.60	2.25	1.75	1.68	1.35	2.90	1.85	1.80	1.30	2.15	2.75	1.80	1.35
	S.D.	0.75	0.64	0.64	0.58	0.59	0.45	0.75	0.70	0.57	0.67	0.55	0.70	0.59
	S.E.	0.17	0.14	0.14	0.13	0.13	0.10	0.17	0.16	0.13	0.15	0.12	0.16	0.13
	MAX	4	3	3	3	3	4	3	3	3	3	3	3	3
	MIN	1	1	1	1	1	2	1	1	1	1	1	1	1

SUMMARY2

HRC		n	o	p	q	r	s	t	u	v	w	x	y
11	MEAN	1.40	2.20	2.10	1.10	1.40	1.30	1.20	1.90	1.20	1.80	1.80	1.40
	S.D.	0.52	0.79	0.74	0.32	0.70	0.48	0.42	0.99	0.42	0.92	0.63	0.70
	S.E.	0.16	0.25	0.23	0.10	0.22	0.15	0.13	0.31	0.13	0.29	0.20	0.22
	MAX	2	3	3	2	3	2	2	3	2	3	3	3
	MIN	1	1	1	1	1	1	1	1	1	1	1	1

HRC		n	o	p	q	r	s	t	u	v	w	x	y
12	MEAN	1.30	2.20	3.20	1.50	1.10	1.30	1.10	1.80	1.00	2.10	2.50	1.30
	S.D.	0.48	0.63	0.63	0.85	0.32	0.48	0.32	0.63	0.00	0.74	1.08	0.67
	S.E.	0.15	0.20	0.20	0.27	0.10	0.15	0.10	0.20	0.00	0.23	0.34	0.21
	MAX	2	3	4	3	2	2	2	3	1	3	4	3
	MIN	1	1	2	1	1	1	1	1	1	1	1	1

HRC		n	o	p	q	r	s	t	u	v	w	x	y
13	MEAN	2.20	2.00	2.00	1.20	1.50	1.60	1.70	1.80	1.30	1.80	2.10	1.90
	S.D.	0.92	0.82	0.94	0.42	0.71	0.70	0.67	0.63	0.48	0.79	0.99	0.74
	S.E.	0.29	0.26	0.30	0.13	0.22	0.22	0.21	0.20	0.15	0.25	0.31	0.23
	MAX	3	3	3	2	3	3	3	3	2	3	4	3
	MIN	1	1	1	1	1	1	1	1	1	1	1	1

HRC		n	o	p	q	r	s	t	u	v	w	x	y
14	MEAN	2.70	1.80	1.60	1.60	2.00	1.70	1.60	1.60	1.70	2.00	2.20	2.80
	S.D.	0.82	0.63	0.70	0.70	0.82	0.67	0.52	0.84	0.82	0.94	0.92	0.63
	S.E.	0.26	0.20	0.22	0.22	0.26	0.21	0.16	0.27	0.26	0.30	0.29	0.20
	MAX	4	3	3	3	3	3	2	3	3	3	3	4
	MIN	1	1	1	1	1	1	1	1	1	1	1	2

HRC		n	o	p	q	r	s	t	u	v	w	x	y
15	MEAN	1.25	1.45	1.85	1.15	1.45	1.40	1.30	2.55	1.35	2.00	1.30	1.40
	S.D.	0.44	0.60	0.75	0.37	0.69	0.60	0.47	0.51	0.49	0.73	0.47	0.68
	S.E.	0.10	0.14	0.17	0.08	0.15	0.13	0.11	0.11	0.11	0.16	0.11	0.15
	MAX	2	3	3	2	3	3	2	3	2	3	2	3
	MIN	1	1	1	1	1	1	1	2	1	1	1	1

SUMMARY1

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
16	MEAN	2.80	2.80	2.30	2.20	1.70	2.60	2.50	2.20	1.20	2.40	2.40	2.60	1.30
	S.D.	0.79	0.92	0.82	0.63	0.67	0.52	0.85	1.23	0.42	0.84	0.97	0.70	0.67
	S.E.	0.25	0.29	0.26	0.20	0.21	0.16	0.27	0.39	0.13	0.27	0.31	0.22	0.21
	MAX	4	4	4	3	3	3	4	4	2	4	4	3	3
	MIN	2	2	1	1	1	2	1	1	1	1	1	1	1
17	MEAN	3.25	2.90	2.25	2.40	1.70	3.35	2.60	2.20	1.50	2.30	3.15	3.00	1.55
	S.D.	0.72	0.85	0.97	0.82	0.73	0.59	0.82	0.83	0.76	0.92	0.67	0.73	0.51
	S.E.	0.16	0.19	0.22	0.18	0.16	0.13	0.18	0.19	0.17	0.21	0.15	0.16	0.11
	MAX	4	4	4	4	3	4	4	4	4	4	5	4	2
	MIN	2	1	1	1	1	2	1	1	1	1	2	2	1
18	MEAN	4.30	2.70	2.40	2.80	2.50	4.20	3.60	2.20	1.20	2.90	3.40	3.90	1.60
	S.D.	0.67	0.82	0.84	0.79	0.85	0.63	0.70	0.79	0.42	0.74	0.52	0.57	0.70
	S.E.	0.21	0.26	0.27	0.25	0.27	0.20	0.22	0.25	0.13	0.23	0.16	0.18	0.22
	MAX	5	4	4	4	4	5	5	3	2	4	4	5	3
	MIN	3	2	1	1	1	3	3	1	1	2	3	3	1
19	MEAN	3.60	2.60	2.00	2.90	2.50	3.70	3.50	2.40	1.80	3.10	3.20	3.80	1.80
	S.D.	0.52	0.84	0.82	0.57	0.85	0.48	0.53	0.70	0.79	0.74	0.42	0.63	0.92
	S.E.	0.16	0.27	0.26	0.18	0.27	0.15	0.17	0.22	0.25	0.23	0.13	0.20	0.29
	MAX	4	4	3	4	4	4	4	3	3	4	4	5	3
	MIN	3	1	1	2	1	3	3	1	1	2	3	3	1
20	MEAN	4.40	3.73	2.97	3.47	3.43	4.40	3.87	2.67	1.87	3.70	4.10	4.03	2.63
	S.D.	0.62	0.87	0.67	0.63	0.90	0.50	0.57	1.03	0.82	0.53	0.61	0.49	0.81
	S.E.	0.11	0.16	0.12	0.11	0.16	0.09	0.10	0.19	0.15	0.10	0.11	0.09	0.15
	MAX	5	5	4	5	5	5	5	4	4	5	5	5	4
	MIN	3	1	1	2	1	4	3	1	1	3	3	3	1

SUMMARY2

HRC		n	o	p	q	r	s	t	u	v	w	x	y
16	MEAN	1.20	1.20	1.60	1.20	2.10	1.50	1.50	2.30	2.20	1.90	1.40	1.20
	S.D.	0.42	0.42	0.70	0.42	1.20	0.71	0.53	0.82	0.92	0.74	0.52	0.42
	S.E.	0.13	0.13	0.22	0.13	0.38	0.22	0.17	0.26	0.29	0.23	0.16	0.13
	MAX	2	2	3	2	4	3	2	3	4	3	2	2
	MIN	1	1	1	1	1	1	1	1	1	1	1	1

HRC		n	o	p	q	r	s	t	u	v	w	x	y
17	MEAN	1.80	2.15	2.60	1.60	1.85	1.90	2.20	3.00	1.85	2.60	2.45	1.55
	S.D.	0.77	0.88	0.68	0.75	0.88	0.72	0.52	0.73	0.81	0.75	0.69	0.60
	S.E.	0.17	0.20	0.15	0.17	0.20	0.16	0.12	0.16	0.18	0.17	0.15	0.14
	MAX	3	4	4	3	4	3	3	4	3	4	3	3
	MIN	1	1	1	1	1	1	1	2	1	2	1	1

HRC		n	o	p	q	r	s	t	u	v	w	x	y
18	MEAN	1.50	2.30	3.30	1.70	1.60	1.30	1.50	3.40	1.10	2.90	2.80	1.40
	S.D.	0.71	0.95	0.48	0.82	0.52	0.48	0.71	0.70	0.32	0.99	0.92	0.70
	S.E.	0.22	0.30	0.15	0.26	0.16	0.15	0.22	0.22	0.10	0.31	0.29	0.22
	MAX	3	4	4	3	2	2	3	4	2	4	4	3
	MIN	1	1	3	1	1	1	1	2	1	1	1	1

HRC		n	o	p	q	r	s	t	u	v	w	x	y
19	MEAN	2.30	2.50	3.10	1.20	2.40	1.90	2.60	3.90	2.30	2.50	3.20	2.30
	S.D.	0.67	0.71	0.74	0.42	0.70	0.88	0.52	0.32	0.67	0.71	0.42	0.67
	S.E.	0.21	0.22	0.23	0.13	0.22	0.28	0.16	0.10	0.21	0.22	0.13	0.21
	MAX	3	3	4	2	4	3	3	4	3	3	4	4
	MIN	1	1	2	1	2	1	2	3	1	1	3	2

HRC		n	o	p	q	r	s	t	u	v	w	x	y
20	MEAN	2.13	3.17	3.70	2.50	3.23	3.17	2.97	4.03	3.17	3.57	3.57	2.70
	S.D.	0.86	0.87	0.65	0.86	0.73	0.99	0.85	0.56	0.53	0.73	0.57	0.92
	S.E.	0.16	0.16	0.12	0.16	0.13	0.18	0.16	0.10	0.10	0.13	0.10	0.17
	MAX	4	4	5	4	4	5	4	5	4	5	5	5
	MIN	1	1	2	1	2	1	2	3	2	2	3	1

SUMMARY1

HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
21	MEAN	3.40	2.90	3.10	2.80	2.70	2.80	3.10	3.30	1.70	3.00	3.20	3.30	2.40
	S.D.	0.70	0.74	0.74	0.79	0.82	0.92	0.74	0.95	0.82	1.15	0.63	0.82	0.84
	S.E.	0.22	0.23	0.23	0.25	0.26	0.29	0.23	0.30	0.26	0.37	0.20	0.26	0.27
	MAX	4	4	4	4	4	4	4	4	3	4	4	4	4
	MIN	2	2	2	1	2	1	2	1	1	1	2	2	1
HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
22	MEAN	4.30	3.30	3.10	4.00	4.00	4.70	4.40	3.00	3.10	4.30	4.20	4.40	3.40
	S.D.	0.48	0.67	0.57	0.67	0.67	0.48	0.52	0.67	0.57	0.67	0.42	0.52	0.70
	S.E.	0.15	0.21	0.18	0.21	0.21	0.15	0.16	0.21	0.18	0.21	0.13	0.16	0.22
	MAX	5	4	4	5	5	5	5	4	4	5	5	5	4
	MIN	4	2	2	3	3	4	4	2	2	3	4	4	2
HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
23	MEAN	4.00	3.90	3.30	3.60	3.40	3.90	4.00	2.20	1.70	3.80	4.20	4.10	2.70
	S.D.	0.67	0.32	0.82	0.70	0.70	0.32	0.47	0.92	0.67	0.63	0.42	0.57	1.06
	S.E.	0.21	0.10	0.26	0.22	0.22	0.10	0.15	0.29	0.21	0.20	0.13	0.18	0.33
	MAX	5	4	4	4	4	4	5	3	3	5	5	5	5
	MIN	3	3	2	2	2	3	3	1	1	3	4	3	1
HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
24	MEAN	4.70	3.90	3.70	4.00	3.90	4.50	4.70	3.50	2.90	4.10	4.40	4.20	3.80
	S.D.	0.48	0.32	0.82	0.00	0.32	0.53	0.48	0.71	0.88	0.57	0.70	0.42	0.42
	S.E.	0.15	0.10	0.26	0.00	0.10	0.17	0.15	0.22	0.28	0.18	0.22	0.13	0.13
	MAX	5	4	5	4	4	5	5	4	4	5	5	5	4
	MIN	4	3	2	4	3	4	4	2	1	3	3	4	3
HRC		a	b	c	d	e	f	g	h	i	j	k	l	m
25	MEAN	4.00	3.80	3.60	3.70	4.00	4.00	4.10	2.90	2.80	4.10	4.30	4.10	3.50
	S.D.	0.67	0.79	0.52	0.48	0.67	0.00	0.57	0.88	0.79	0.32	0.48	0.32	0.53
	S.E.	0.21	0.25	0.16	0.15	0.21	0.00	0.18	0.28	0.25	0.10	0.15	0.10	0.17
	MAX	5	5	4	4	5	4	5	4	4	5	5	5	4
	MIN	3	2	3	3	3	4	3	1	2	4	4	4	3

SUMMARY2

HRC		n	o	p	q	r	s	t	u	v	w	x	y
21	MEAN	2.10	1.90	2.80	1.80	2.30	2.20	2.40	3.60	2.20	3.50	3.40	2.40
	S.D.	0.99	0.88	0.63	0.79	0.67	0.92	0.84	0.84	0.92	0.53	0.70	1.26
	S.E.	0.31	0.28	0.20	0.25	0.21	0.29	0.27	0.27	0.29	0.17	0.22	0.40
	MAX	4	3	4	3	3	4	4	5	4	4	4	4
	MIN	1	1	2	1	1	1	1	2	1	3	2	1
HRC		n	o	p	q	r	s	t	u	v	w	x	y
22	MEAN	3.20	3.50	3.90	3.50	3.80	1.70	3.10	4.50	4.20	3.70	3.60	4.10
	S.D.	0.42	0.71	0.32	0.53	0.63	0.95	0.74	0.53	0.79	0.67	0.70	0.88
	S.E.	0.13	0.22	0.10	0.17	0.20	0.30	0.23	0.17	0.25	0.21	0.22	0.28
	MAX	4	5	4	4	5	4	4	5	5	5	4	5
	MIN	3	3	3	3	3	1	2	4	3	3	2	3
HRC		n	o	p	q	r	s	t	u	v	w	x	y
23	MEAN	2.00	3.50	3.80	3.10	3.60	2.20	3.50	4.00	3.80	3.60	3.60	3.20
	S.D.	0.94	0.53	0.79	0.99	0.70	1.03	0.53	0.47	0.42	0.70	0.70	0.63
	S.E.	0.30	0.17	0.25	0.31	0.22	0.33	0.17	0.15	0.13	0.22	0.22	0.20
	MAX	4	4	5	5	4	4	4	5	4	4	4	4
	MIN	1	3	3	2	2	1	3	3	3	2	2	2
HRC		n	o	p	q	r	s	t	u	v	w	x	y
24	MEAN	3.90	3.70	4.10	2.80	4.00	3.20	4.30	4.60	3.90	3.90	3.90	3.70
	S.D.	0.99	0.67	0.57	0.63	0.67	0.92	0.48	0.52	0.74	0.57	0.57	0.67
	S.E.	0.31	0.21	0.18	0.20	0.21	0.29	0.15	0.16	0.23	0.18	0.18	0.21
	MAX	5	5	5	4	5	4	5	5	5	5	5	5
	MIN	2	3	3	2	3	2	4	4	3	3	3	3
HRC		n	o	p	q	r	s	t	u	v	w	x	y
25	MEAN	3.50	3.20	3.90	3.70	4.00	3.00	3.50	4.20	4.10	4.00	4.40	4.30
	S.D.	0.71	0.92	0.57	0.82	0.67	1.15	0.71	0.42	0.99	0.47	0.52	0.67
	S.E.	0.22	0.29	0.18	0.26	0.21	0.37	0.22	0.13	0.31	0.15	0.16	0.21
	MAX	4	4	5	5	5	5	4	5	5	5	5	5
	MIN	2	1	3	2	3	1	2	4	2	3	4	3

3.3 Sample HRC data

The HRC tables are separated into 25 files, each listing the scores associated with one HRC. These files are named "HRC.01", "HRC.02", "HRC.03", ... "HRC.25". The suffix number is the HRC described in this file. The format of these files is described in the subjective test plan. Notice that the summary statistics listed at the bottom of the file are computed on the 10 qualifying viewers. Scene / HRC combinations which a viewer did not score are marked with a zero (0). These scene / HRC pairs are not used in the computation of summary statistics. The column "VIEWER QUALIFY" marks the validity status of each viewer: '0' for Invalid viewers; '1' for valid or qualified viewers; '*' for alternate viewers (valid but extraneous).

The contents of the ITS file HRC.20 are displayed below.

HRC NO.20

TEAM	--VIEWER--		-----SCENE-----																	REPEAT								
	ID	QUALIFY	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	o
RED	80.z	1	4	4	3	3	3	5	4	3	2	3	4	4	2	2	2	4	1	2	3	4	5	4	4	3	3	4
	09.z	1	5	3	3	4	3	4	4	2	2	4	5	4	3	2	3	3	3	4	3	2	4	3	4	3	2	3
	37.z	1	5	4	2	3	2	5	3	1	1	3	4	5	3	2	3	4	2	3	2	3	5	3	3	3	2	3
	39.z	1	3	4	3	3	4	4	3	2	2	4	4	4	3	2	3	3	3	3	4	4	4	4	4	4	2	3
	38.z	1	5	4	3	3	4	5	4	3	1	4	4	4	1	1	4	4	3	4	4	4	4	3	4	4	3	4
	40.z	1	4	4	3	3	3	4	3	4	4	4	4	4	3	3	3	3	3	3	4	3	4	3	4	3	5	3
	41.z	1	4	4	2	3	3	4	4	4	2	4	4	4	3	2	2	2	2	2	2	2	2	4	3	4	3	3
	43.z	1	4	4	3	4	4	4	2	2	4	4	4	2	1	4	4	2	4	3	3	4	3	4	4	4	2	4
	46.z	0	4	4	3	3	4	5	5	3	3	4	5	4	5	3	4	3	3	4	4	4	5	3	4	3	4	2
	47.z	1	5	5	3	3	3	5	4	1	2	4	3	4	3	3	2	5	3	4	3	3	4	3	3	4	4	3
	48.z	1	5	4	3	4	4	4	3	4	3	4	5	4	3	2	4	4	2	3	4	4	4	3	3	2	3	
	06.z	*	5	3	2	3	3	4	4	2	3	3	4	3	3	2	3	3	2	3	2	3	4	3	3	3	3	3
	82.z	*	5	4	3	3	3	5	4	2	1	4	5	4	3	2	1	3	3	4	4	3	4	3	3	2	3	2
	44.z	*	5	5	3	4	4	5	5	3	3	5	5	3	3	4	4	4	4	4	4	4	4	5	5	4	4	4

TEAM	--VIEWER--		-----SCENE-----																	REPEAT										
	ID	QUALIFY	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	d	q	
GREEN	13.z	1	4	2	3	4	4	5	5	3	2	3	4	4	2	1	2	3	1	3	5	2	4	3	2	4	1	1	4	
	15.z	1	3	3	4	3	3	4	4	4	2	4	4	4	3	3	4	3	2	3	4	3	4	3	4	4	2	3	4	
	17.z	1	5	5	3	5	5	5	4	3	1	4	5	5	3	2	4	5	2	4	4	4	4	3	4	4	3	5	2	
	18.z	0	5	3	3	4	4	5	4	3	1	3	4	4	3	2	4	4	2	4	4	3	4	4	4	4	2	4	2	
	90.z	1	4	4	2	4	3	4	4	1	1	3	3	3	3	1	1	3	2	3	3	4	3	3	3	3	3	3	2	
	22.z	1	5	5	4	4	5	5	2	2	4	5	5	4	2	4	4	4	4	4	4	4	5	4	5	4	4	4	4	
	23.z	1	5	4	4	4	5	5	4	3	1	4	5	4	2	2	3	4	3	4	3	4	3	4	4	4	2	3	4	
	24.z	1	4	4	3	3	3	4	4	3	3	4	4	4	3	3	3	4	4	4	3	4	4	4	4	4	3	4	4	
	50.z	1	4	4	3	3	3	5	4	1	1	3	4	4	2	1	2	4	2	2	3	2	4	3	2	3	2	2	3	
	54.z	1	5	4	3	3	3	4	4	2	1	3	3	4	2	2	3	4	2	3	4	2	3	4	2	4	3	3	3	3

55.z	1	4433344413444333343343333	3	3
57.z	*	3333333224342233233343332	2	3
20.z	*	3423445333443334233233443	3	4
19.z	*	5443455224542334242454333	3	3
21.z	*	5233444224542124324342342	2	4

TEAM	--VIEWER--		-----SCENE-----											REPEAT																	
	ID	QUALIFY	a	b	c	d	e	f	g	h	i	j	k	l	m	p															
ORANGE	25.z	1	4	2	3	4	3	5	4	4	2	5	4	5	2	3	4	5	3	5											
	26.z	0	2	3	2	2	2	3	4	2	4	3	2	1	2	2	2	3	2	3	3	1	2	3							
	27.z	0	5	4	2	4	5	4	5	2	3	5	5	3	2	4	2	3	3	4	2	4	4	2	3	3	3	4			
	28.z	1	4	4	3	3	4	4	2	3	4	4	4	2	2	4	4	2	4	3	3	4	4	4	4	2	3	3	4		
	29.z	1	5	4	4	4	5	5	3	2	4	5	4	2	2	4	4	4	4	3	4	4	4	4	4	3	4	4	4		
	30.z	1	5	4	3	4	3	4	4	3	3	4	5	4	3	3	4	4	4	3	3	3	4	4	4	3	3	4	4		
	31.z	1	4	3	1	3	3	4	4	2	1	3	4	4	3	1	2	3	2	3	2	2	4	3	3	3	2	3	3	2	
	32.z	0	5	5	4	2	2	5	5	3	3	3	4	4	4	3	4	4	2	5	1	2	3	4	4	4	3	4	4	4	
	33.z	0	4	3	2	2	2	3	3	1	1	2	3	3	1	1	1	3	1	2	2	1	3	3	3	3	1	3	3	3	1
	34.z	1	5	4	3	4	4	4	3	3	3	4	4	4	4	4	4	3	4	3	3	4	2	4	3	4	4	3	4	4	4
	62.z	1	4	4	3	4	4	4	4	4	2	4	4	4	4	2	4	4	3	2	1	2	3	2	4	4	4	4	4	4	4
	63.z	1	4	3	2	2	1	5	3	1	2	3	3	3	1	1	4	4	1	2	2	3	3	2	3	3	1	4	4	4	4
	69.z	1	5	1	4	3	3	4	3	3	1	4	4	3	2	4	4	4	2	4	1	2	5	3	2	4	2	4	4	4	4
	71.z	1	5	4	3	4	4	4	4	3	1	3	4	4	2	2	3	4	3	3	3	2	3	3	4	3	4	3	4	4	4

	a	b	c	d	e	f	g	h	i	j	k	l	m
MEAN	4.40	3.73	2.97	3.47	3.43	4.40	3.87	2.67	1.87	3.70	4.10	4.03	2.63
S.D.	0.62	0.87	0.67	0.63	0.90	0.50	0.57	1.03	0.82	0.53	0.61	0.49	0.81
S.E.	0.11	0.16	0.12	0.11	0.16	0.09	0.10	0.19	0.15	0.10	0.11	0.09	0.15
MAX	5	5	4	5	5	5	5	4	4	5	5	5	4
MIN	3	1	1	2	1	4	3	1	1	3	3	3	1

	n	o	p	q	r	s	t	u	v	w	x	y
MEAN	2.13	3.17	3.70	2.50	3.23	3.17	2.97	4.03	3.17	3.57	3.57	2.70
S.D.	0.86	0.87	0.65	0.86	0.73	0.99	0.85	0.56	0.53	0.73	0.57	0.92
S.E.	0.16	0.16	0.12	0.16	0.13	0.18	0.16	0.10	0.10	0.13	0.10	0.17
MAX	4	4	5	4	4	5	4	5	4	5	5	5
MIN	1	1	2	1	2	1	2	3	2	2	3	1

3.4 Demographic Data

File 'DEMOG' contains demographics for each viewer. This file format is not specified in the subjective test plan. "ID" is the number and lab code associated with each viewer. NTIA / ITS is lab "z". Note that viewer numbers were not assigned sequentially. "Decade" is listed for brevity; the questionnaires listed a range of ages corresponding to that decade. "Industry" and "Job" include the entire text listed on the questionnaire. "Eye Test" is #/# where the first number is the last line of the eye chart completely read and the second number is the number of color plates missed. NTIA/ITS viewers were allowed to miss 2 of 8 color plates.

The entire contents of the NTIA / ITS demographics file are listed below.

RED TEAM								
ID	DECADE	GENDER	INDUSTRY	JOB	PAST VIDEO	EYE TEST	SESSION SEAT	ORDER
80.z	30	female	Government	Technical	Recent	9/2	center	2431
09.z	50	male	Government	Professional	No	9/0	right	2431
37.z	50	male	Government	Executive/ Managerial	Yes	9/2	left	3142
39.z	40	female	Government	Professional	Yes	8/2	right	3142
38.z	40	male	Government	Technical	No	9/1	center	3142
40.z	40	female	Government	Administrative/ White Collar	No	9/1	left	2413
41.z	30	male	Government	Technical	Recent	9/0	center	2413
43.z	40	male	Engineering/ Architecture	Technical	No	10/0	left	2431
46.z	60	male	Government	Laborer	No	7/2	left	4231
47.z	50	male	Electronics/ Computers	Professional	Recent	9/1	center	4231
48.z	20	female	Electronics/ Computers	Technical	Recent	8/2	right	4231
06.z	30	male	Telecommunication/ Utilities	Technical	No	8/0	right	2413
82.z	60	male	Government	Executive/ Managerial	Recent	9/1	left	4231
44.z	60	female	Government	Secretarial	No	7/1	center	2431

GREEN TEAM								
ID	DECADE	GENDER	INDUSTRY	JOB	PAST VIDEO	EYE TEST	SESSION SEAT	ORDER
13.z	40	male	Government	Technical	No	9/1	left	4321
15.z	30	female	Government	Secretarial	No	8/1	right	4321
17.z	40	female	Personal/ Administrative/	Administrative/	No	8/2	right	1243

18.z	50	male	Business Services Electronics/ Computers	White Collar Administrative/ White Collar	Yes	7/4	right	1243
90.z	30	male	Engineering/ Architecture	Professional	Yes	10/1	right	1243
22.z	40	male	Government	Technical	Recent	8/1	left	2341
23.z	50	male	Government	Executive/ Managerial	Recent	9/1	center	2341
24.z	50	male	Government	Administrative/ White Collar	No	9/1	right	2341
50.z	60	male	Government Managerial	Executive/	Recent	9/1	center	4321
54.z	60	male	Electronics/ Computers	Executive/ Managerial	Recent	7/1	right	1243
55.z	30	male	Government Support	Clerical/	No	9/2	left	2431
57.z	30	male	Telecommunication/ Utilities	Technical	Yes	9/0	right	2431
20.z	40	male	Electronics/ Computers	Professional	No	8/0	center	2431
19.z	40	male	Telecommunication/ Utilities	Technical	Recent	7/1	left	2431
21.z	70	male	Government Support	Clerical/	No	7/2	right	2431

ORANGE TEAM

ID	DECADE	GENDER	INDUSTRY	JOB	PAST VIDEO	EYE TEST	SESSION SEAT	ORDER
25.z	40	male	Engineering/ Architecture	Administrative/ White Collar	No	10/0	left	1324
26.z	20	female	Government	Administrative/ White Collar	Recent	10/0	center	1324
27.z	50	female	Government	Clerical/ Support	No	9/1	right	1324
28.z	30	male	Electronics/ Computers	Technical	No	10/1	left	4132
29.z	50	male	Government	Clerical/ Support	Recent	8/0	center	4132
30.z	50	male	Government	Technical	No	9/1	right	4132
31.z	30	male	Government	Technical	No	8/0	left	4312
32.z	50	female	Government	Professional	Recent	8/2	center	4312
33.z	30	male	Engineering/ Architecture	Executive/ Managerial	Recent	6/1	right	4312
34.z	40	female	Government	Administrative/ White Collar	No	9/2	left	3241
62.z	30	female	Government	Secretarial	No	9/0	center	1324
63.z	20	male	Government	Technical	No	10/0	right	1324
69.z	50	female	Government	Administrative/ White Collar	No	10/1	right	4312
71.z	40	male	Military	Police/ Military	Recent	9/0	center	3241

3.5 Raw Scores File

The file 'SCORES' contains all scores for all viewers listed one per line, in a format suitable for loading into S.A.S. or similar statistical packages. This file contains for each viewer, the following five columns:

<viewer> <order> <hrc> <scene> <rating>

<viewer> is the viewer's number and lab affiliation letter. <order> is the order in which the viewer saw the 258 or 260 scene / HRC pairs. <hrc> is the number, '0' through '25', of the current HRC. HRC '0' marks NULL checks. <scene> is the letter, 'a' through 'y' of the current scene. <rating> is the rating given to this scene / hrc pair by the viewer. '5' is Imperceptible; '4' is Perceptible but not Annoying; '3' is Slightly Annoying; '2' is Annoying; and '1' is Very Annoying. A zero in this column marks unrated scene / HRC pairs.

File SCORES includes all scene / HRC pairs viewed. Note that consistency checks will appear twice for each viewer and that NULL checks are included. Also note that all viewers' data are listed in this file regardless of whether the viewer is valid, invalid, or extra.

3.6 Qualifying Scores File

The file 'QUALIFY' contains all scores, except NULL checks and repeat quality checks, for all viewers listed one per line, in a format suitable for loading into S.A.S. or similar statistical packages. This file contains for each viewer, the following four columns:

<viewer> <hrc> <scene> <rating>

<viewer> is the viewer's number and lab affiliation letter. <hrc> is the number, '1' through '25', of the current HRC. <scene> is the letter, 'a' through 'y' of the current scene. <rating> is the rating given to this scene / hrc pair by the viewer. '5' is Imperceptible; '4' is Perceptible but not Annoying; '3' is Slightly Annoying; '2' is Annoying; and '1' is Very Annoying. A zero in this column marks unrated scene / HRC combinations.

File QUALIFY includes all scene / HRC pairs viewed. Also note that all viewers' data are listed in this file regardless of whether the viewer is valid, invalid, or extra.

3.7 Repeat Check Scores File

The file 'REPEAT' contains repeat quality check scores for all viewers listed one per line, in a format suitable for loading into S.A.S. or similar statistical packages. This file contains for each viewer, the following four columns:

<viewer> <hrc> <scene> <rating> <order>

<viewer> is the viewer's number and lab affiliation letter. <hrc> is the number, '1' through '25', of the current HRC. <scene> is the letter, 'a' through 'y' of the current scene. <rating> is the rating given to this scene / hrc pair by the viewer. '5' is Imperceptible; '4' is Perceptible but not Annoying; '3' is Slightly Annoying; '2' is Annoying; and '1' is Very Annoying. A zero in this column marks unrated scene / HRC combinations. <order> is

the order in which the repeat checks were viewed. '1' marks the first viewed; '2' marks the second viewed.

File REPEAT includes all scene / HRC repeat check pairs. Also note that all viewers' data are listed in this file regardless of whether the viewer is valid, invalid, or extra.

3.8 Raw Data Directory

Directory "raw" contains the ratings and demographic data for each viewer in an unformatted state.