

Pacific University

CommonKnowledge

College of Optometry

Theses, Dissertations and Capstone Projects

5-1975

Analysis of the results of the Washington County District 15 elementary school vision screening program: The Abbo study (volume II)

Del D. Allen
Pacific University

Paul E. Berman
Pacific University

Robert S. Brownson
Pacific University

Dennis L. Olson
Pacific University

Recommended Citation

Allen, Del D.; Berman, Paul E.; Brownson, Robert S.; and Olson, Dennis L., "Analysis of the results of the Washington County District 15 elementary school vision screening program: The Abbo study (volume II)" (1975). *College of Optometry*. 393.

<https://commons.pacificu.edu/opt/393>

This Thesis is brought to you for free and open access by the Theses, Dissertations and Capstone Projects at CommonKnowledge. It has been accepted for inclusion in College of Optometry by an authorized administrator of CommonKnowledge. For more information, please contact CommonKnowledge@pacificu.edu.

Analysis of the results of the Washington County District 15 elementary school vision screening program: The Abbo study (volume II)

Abstract

Analysis of the results of the Washington County District 15 elementary school vision screening program: The Abbo study (volume II)

Degree Type

Thesis

Degree Name

Master of Science in Vision Science

Committee Chair

Harold M. Haynes

Subject Categories

Optometry

Copyright and terms of use

If you have downloaded this document directly from the web or from CommonKnowledge, see the "Rights" section on the previous page for the terms of use.

If you have received this document through an interlibrary loan/document delivery service, the following terms of use apply:

Copyright in this work is held by the author(s). You may download or print any portion of this document for personal use only, or for any use that is allowed by fair use (Title 17, §107 U.S.C.). Except for personal or fair use, you or your borrowing library may not reproduce, remix, republish, post, transmit, or distribute this document, or any portion thereof, without the permission of the copyright owner. [Note: If this document is licensed under a Creative Commons license (see "Rights" on the previous page) which allows broader usage rights, your use is governed by the terms of that license.]

Inquiries regarding further use of these materials should be addressed to: CommonKnowledge Rights, Pacific University Library, 2043 College Way, Forest Grove, OR 97116, (503) 352-7209. Email inquiries may be directed to: copyright@pacificu.edu

ANALYSIS OF THE RESULTS OF THE
WASHINGTON COUNTY DISTRICT 15
ELEMENTARY SCHOOL VISION SCREENING
PROGRAM

THE ABBO STUDY
(VOLUME II)

A Sixth Year Thesis
Presented to
The Faculty of the College of Optometry
Pacific University

In Partial Fulfillment
of the Requirements for the Degree
Doctor of Optometry

by

Del D. Allen
Paul E. Berman
Robert S. Brownson
Dennis L. Olson

May 1975

TABLE OF CONTENTS

	<u>Page</u>
COMPUTER GENERATED ANALYSIS OF THE SCREENING DATA	1
COMPUTER PRINTOUT OF THE RESULTS	
Total Sample	2
Total Sample, Grade K	6
Total Sample, Grade 1	10
Total Sample, Grade 2	14
Total Sample, Grade 3	18
Total Sample, Grade 4	22
Total Sample, Grade 5	26
Total Sample, Grade 6	30
Total Sample, Grade Special Education	34
Total Sample, Girls	38
Girls, Grade K	42
Girls, Grade 1	46
Girls, Grade 2	50
Girls, Grade 3	54
Girls, Grade 4	58
Girls, Grade 5	62
Girls, Grade 6	66
Girls, Grade Special Education	70
Total Sample, Boys	74
Boys, Grade K	78
Boys, Grade 1	82
Boys, Grade 2	86
Boys, Grade 3	90
Boys, Grade 4	94
Boys, Grade 5	98
Boys, Grade 6	102
Boys, Grade Special Education	106
High σ Reading Group, Total Sample	110
High σ Reading Group, Grade 3	114
High σ Reading Group, Grade 4	118
High σ Reading Group, Grade 5	122
High σ Reading Group, Grade 6	126
High σ Reading Group, Girls	130
High σ Reading Group, Boys	134
Low σ Reading Group, Total Sample	138
Low σ Reading Group, Grade 3	142
Low σ Reading Group, Grade 4	146
Low σ Reading Group, Grade 5	150
Low σ Reading Group, Grade 6	154
Low σ Reading Group, Girls	158
Low σ Reading Group, Boys	162
High σ Math Group, Total Sample	166
High σ Math Group, Grade 3	170
High σ Math Group, Grade 4	174
High σ Math Group, Grade 5	178
High σ Math Group, Grade 6	182
High σ Math Group, Girls	186
High σ Math Group, Boys	190

TABLE OF CONTENTS (Continued)

	Page
Low σ Math Group, Total Sample	194
Low σ Math Group, Grade 3	198
Low σ Math Group, Grade 4	202
Low σ Math Group, Grade 5	206
Low σ Math Group, Grade 6	210
Low σ Math Group, Girls	214
Low σ Math Group, Boys	218

COMPUTER GENERATED ANALYSIS OF THE SCREENING DATA

The computer generated print outs of the results from processing the vision screening data for each child in the study are included in this volume. The results from any one run through the data are printed on four (4) pages. The heading above each print out group gives the test summary being printed.

For those parameters which had actual findings input for each child, the print out gives the N, mean, standard deviation, sum of X's, sum of X^2 , maximum, and minimum. For all the tests, the findings are evaluated versus the pass-fail criteria and a summary of the failed, borderline and passed are presented.

Summary tables that show a mean of 9999.0 had an N of 0, so no statistics could be calculated.

Total Sample

NUMBER OF GIRLS IN SAMPLE= 929
 NUMBER OF BOYS IN SAMPLE= 1020
 GRADE k 1 2 3 4 5 6 SP
 NUMBER 274 243 259 262 308 273 307 23

DATA FOR FAR VA--0.D., 0.S., 0.U.
 NUMBER = 1946 1947 1948
 MEAN = 0.899 0.898 0.915
 STD. DEV.= 0.192 0.193 0.182
 SUM X'S = 1750.054 1749.051 1783.900
 SUM X*X = 1646.231 1644.402 1698.322
 MAXIMUM = 20/ 10 20/ 10 20/ 10
 MINIMUM = 20/900 20/900 20/ 80
 NUMBER FAILED = 115
 NUMBER BORDERLINE= 676
 NUMBER PASSED = 1157

DATA FOR NEAR VA--0.D., 0.S., 0.U.
 NUMBER = 1888 1889 1891
 MEAN = 0.853 0.853 0.869
 STD. DEV.= 0.181 0.180 0.172
 SUM X'S = 1611.196 1611.379 1643.973
 SUM X*X = 1437.271 1436.067 1485.229
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 99 20/ 90 20/ 90
 NUMBER FAILED = 108
 NUMBER BORDERLINE= 726
 NUMBER PASSED = 1057

DATA FOR STEREOPSIS
 NUMBER FAILED = 62
 NUMBER BORDERLINE= 80
 NUMBER PASSED = 1794

DATA FOR COLOR VISION
 NUMBER FAILED = 67
 NUMBER BORDERLINE= 37
 NUMBER PASSED = 1175

DATA FOR DISTANCE ROCK
 NUMBER = 676
 MEAN = 21.445
 STD. DEV.= 6.268
 SUM X'S = 14496.928
 SUM X*X = 337413.960
 MAXIMUM = 48
 MINIMUM = 5
 NUMBER FAILED = 30
 NUMBER BORDERLINE= 297
 NUMBER PASSED = 354

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMEER	=	1911	1911	1911
MEAN	=	2.194	3.668	1.510
STD. DEV.=		2.030	2.486	1.895
SUM X'S	=	4193.000	7010.000	2885.641
SUM X*X	=	17073.005	37520.003	11219.501
MAXIMUM	=	33	33	33.000
MINIMUM	=	1	1	0.090
NUMBER FAILED	=	106		
NUMBER BORDERLINE	=	204		
NUMBER PASSED	=	1601		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	145	395	1
MEAN	=	2.862	2.832	2.000
STD. DEV.=		2.241	2.097	0.000
SUM X'S	=	415.000	1119.000	2.000
SUM X*X	=	1911.000	4903.000	4.000
MAXIMUM	=	14	25	2
MINIMUM	=	1	1	2

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	26	15	1
MEAN	=	14.576	13.200	5.000
STD. DEV.=		8.837	7.802	0.000
SUM X'S	=	379.000	198.000	5.000
SUM X*X	=	7477.000	3466.000	25.000
MAXIMUM	=	35	25	5
MINIMUM	=	2	3	5

NUMBER SHOWING ORTHOPHORIA= 1353

FOR FAR COVER TEST DATA

NUMBER FAILED = 94
 NUMBER BORDERLINE= 61
 NUMBER PASSED = 1781

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	295	824	2
MEAN	=	3.623	4.214	2.000
STD. DEV.=		2.379	2.606	0.000
SUM X'S	=	1069.000	3473.000	4.000
SUM X*X	=	5539.000	20229.005	8.000
MAXIMUM	=	17	25	2
MINIMUM	=	1	1	2

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	33	21	1
MEAN =	16.545	11.238	5.000
STD. DEV.=	8.284	6.594	0.000
SUM X'S =	546.000	236.000	5.000
SUM X*X =	11230.003	3522.000	25.000
MAXIMUM =	35	25	5
MINIMUM =	0	3	5

NUMBER SHOWING ORTHOPHORIA= 760

FOR NEAR COVER TEST DATA

NUMBER FAILED = 162
 NUMBER BORDERLINE= 220
 NUMBER PASSED = 1554

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 48
 NUMBER BORDERLINE= 226
 NUMBER PASSED = 1671

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 49
 NUMBER BORDERLINE= 202
 NUMBER PASSED = 1694

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	1932	1933
MEAN =	-0.770	-0.781
STD. DEV.=	0.443	0.449
SUM X'S =	-1488.591	-1510.872
SUM X*X =	1526.365	1571.939
MAXIMUM =	1.500	1.000
MINIMUM =	-2.500	-2.500
NUMBER FAILED =	79	92
NUMBER BORDERLINE=	265	273
NUMBER PASSED =	1588	1568

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	1942	1942
MEAN =	0.499	0.523
STD. DEV.=	0.872	0.724
SUM X'S =	976.798	1016.346
SUM X*X =	1962.322	1549.832
MAXIMUM =	5.000	4.500
MINIMUM =	-25.000	-13.000

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 253 261
 NUMBER BORDERLINE= 167 163
 NUMBER PASSED = 1522 1518
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 40 39
 NUMBER BORDERLINE= 38 44
 NUMBER PASSED = 1864 1859
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 42
 NUMBER BORDERLINE= 64
 NUMBER PASSED = 1836

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	5	49	8
NUMBER BORDERLINE=	18	37	75
NUMBER PASSED =	1924	1860	1863

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	921	916
MEAN =	50.572	50.822
STD. DEV.=	9.508	9.939
SUM X'S =	46577.000	46553.003
SUM X*X =	2438673.300	2456307.400
MAXIMUM =	71	75
MINIMUM =	23	28

Total Sample
K

NUMBER OF GIRLS IN SAMPLE= 145
NUMBER OF BOYS IN SAMPLE= 129
GRADE K 1 2 3 4 5 6 SP
NUMBER 274 0 0 0 0 0 0 0

DATA FOR FAR VA--O.D., O.S., O.U.
NUMBER = 272 272 273
MEAN = 0.712 0.711 0.721
STD. DEV.= 0.136 0.124 0.128
SUM X'S = 193.670 193.464 197.064
SUM X*X = 142.911 141.773 146.719
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/900 20/ 60 20/ 60
NUMBER FAILED = 18
NUMBER BORDERLINE= 223
NUMBER PASSED = 32

DATA FOR NEAR VA--O.D., O.S., O.U.
NUMBER = 271 272 273
MEAN = 0.682 0.685 0.684
STD. DEV.= 0.083 0.087 0.084
SUM X'S = 184.831 186.331 186.831
SUM X*X = 128.194 129.721 129.805
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 60 20/ 40 20/ 40
NUMBER FAILED = 9
NUMBER BORDERLINE= 247
NUMBER PASSED = 17

DATA FOR STEREOPSIS
NUMBER FAILED = 12
NUMBER BORDERLINE= 6
NUMBER PASSED = 252

DATA FOR COLOR VISION
NUMBER FAILED = 8
NUMBER BORDERLINE= 4
NUMBER PASSED = 155

DATA FOR DISTANCE ROCK
NUMBER = 0
MEAN = 9999.000
STD. DEV.= 0.000
SUM X'S = 0.000
SUM X*X = 0.000
MAXIMUM = -1000
MINIMUM = 1000
NUMBER FAILED = 0
NUMBER BORDERLINE= 0
NUMBER PASSED = 0

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	272	272	272
MEAN	=	2.147	3.452	1.516
STD. DEV.	=	2.135	2.511	1.566
SUM X'S	=	584.000	939.000	412.585
SUM X*X	=	2490.000	4951.000	1674.283
MAXIMUM	=	16	18	15.058
MINIMUM	=	1	1	0.099
NUMBER FAILED	=	14		
NUMBER BORDERLINE	=	25		
NUMBER PASSED	=	233		

DATA FOR FAR COVER TEST, PHORIAS

		ESD	EXO	VERTICAL
NUMBER	=	10	44	0
MEAN	=	3.099	3.227	9999.000
STD. DEV.	=	2.726	2.111	0.000
SUM X'S	=	31.000	142.000	0.000
SUM X*X	=	163.000	650.000	0.000
MAXIMUM	=	8	10	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESD	EXO	VERTICAL
NUMBER	=	0	3	1
MEAN	=	8.333	14.000	5.000
STD. DEV.	=	5.859	9.539	0.000
SUM X'S	=	25.000	42.000	5.000
SUM X*X	=	277.000	770.000	25.000
MAXIMUM	=	15	25	5
MINIMUM	=	4	8	5

NUMBER SHOWING ORTHOPHORIA= 212

FOR FAR COVER TEST DATA

NUMBER FAILED = 17
 NUMBER BORDERLINE= 6
 NUMBER PASSED = 250

DATA FOR NEAR COVER TEST, PHORIAS

		ESD	EXO	VERTICAL
NUMBER	=	19	119	0
MEAN	=	3.684	4.134	9999.000
STD. DEV.	=	1.733	2.386	0.000
SUM X'S	=	70.000	492.000	0.000
SUM X*X	=	312.000	2706.000	0.000
MAXIMUM	=	8	14	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXO	VERTICAL
NUMBER =	3	4	1
MEAN =	11.666	13.000	5.000
STD. DEV.=	3.511	8.286	0.000
SUM X'S =	35.000	52.000	5.000
SUM X*X =	433.000	882.000	25.000
MAXIMUM =	15	25	5
MINIMUM =	8	6	5

NUMBER SHOWING ORTHOPHORIA= 127

FOR NEAR COVER TEST DATA

NUMBER FAILED = 19
 NUMBER BORDERLINE= 15
 NUMBER PASSED = 239

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 11
 NUMBER BORDERLINE= 45
 NUMBER PASSED = 218

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 7
 NUMBER BORDERLINE= 46
 NUMBER PASSED = 221

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	269	270
MEAN =	-0.879	-0.889
STD. DEV.=	0.460	0.456
SUM X'S =	-236.459	-240.090
SUM X*X =	264.730	269.603
MAXIMUM =	0.250	0.250
MINIMUM =	-2.500	-2.500
NUMBER FAILED =	22	23
NUMBER BORDERLINE=	48	47
NUMBER PASSED =	199	200

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	271	271
MEAN =	0.673	0.812
STD. DEV.=	1.691	0.733
SUM X'S =	162.388	220.162
SUM X*X =	895.572	324.205
MAXIMUM =	3.500	4.250
MINIMUM =	-25.000	-1.750

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 50 53
 NUMBER BORDERLINE= 49 40
 NUMBER PASSED = 172 178

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 16 11
 NUMBER BORDERLINE= 8 7
 NUMBER PASSED = 247 253

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 10
 NUMBER BORDERLINE= 12
 NUMBER PASSED = 249

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	9	2
NUMBER BORDERLINE=	2	8	6
NUMBER PASSED =	269	254	263

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	0	0
MEAN =	9999.000	9999.000
STD. DEV.=	0.000	0.000
SUM X'S =	0.000	0.000
SUM X*X =	0.000	0.000
MAXIMUM =	-1000	-1000
MINIMUM =	1000	1000

Total Sample
6-1

NUMBER OF GIRLS IN SAMPLE= 106
NUMBER OF BOYS IN SAMPLE= 137
GRADE K 1 2 3 4 5 6 SP
NUMBER 0 243 0 0 0 0 0 0

DATA FOR FAR VA--O.D., O.S., O.U.
NUMBER = 243 243 243
MEAN = 0.899 0.898 0.915
STD. DEV.= 0.165 0.164 0.151
SUM X'S = 218.468 218.349 222.349
SUM X*X = 203.077 202.750 209.036
MAXIMUM = 20/ 15 20/ 15 20/ 15
MINIMUM = 20/ 80 20/ 80 20/ 80
NUMBER FAILED = 14
NUMBER BORDERLINE= 89
NUMBER PASSED = 140

DATA FOR NEAR VA--O.D., O.S., O.U.
NUMBER = 216 216 216
MEAN = 0.777 0.776 0.809
STD. DEV.= 0.195 0.191 0.187
SUM X'S = 167.890 167.771 174.832
SUM X*X = 138.722 138.223 149.083
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 90 20/ 90 20/ 60
NUMBER FAILED = 28
NUMBER BORDERLINE= 108
NUMBER PASSED = 80

DATA FOR STEREOPSIS
NUMBER FAILED = 4
NUMBER BORDERLINE= 20
NUMBER PASSED = 215

DATA FOR COLOR VISION
NUMBER FAILED = 16
NUMBER BORDERLINE= 7
NUMBER PASSED = 138

DATA FOR DISTANCE ROCK
NUMBER = 84
MEAN = 14.157
STD. DEV.= 4.333
SUM X'S = 1189.268
SUM X*X = 18394.750
MAXIMUM = 32
MINIMUM = 5
NUMBER FAILED = 16
NUMBER BORDERLINE= 63
NUMBER PASSED = 5

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	237	237	237
MEAN	=	2.248	3.493	1.648
STD. DEV.	=	2.163	2.515	2.065
SUM X'S	=	533.000	828.000	390.778
SUM X*X	=	2303.000	4386.000	1651.617
MAXIMUM	=	20	20	20.000
MINIMUM	=	1	1	0.142
NUMBER FAILED	=	10		
NUMBER BORDERLINE	=	28		
NUMBER PASSED	=	199		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	25	57	1
MEAN	=	2.279	2.824	2.000
STD. DEV.	=	1.594	1.659	0.000
SUM X'S	=	57.000	161.000	2.000
SUM X*X	=	191.000	609.000	4.000
MAXIMUM	=	8	12	2
MINIMUM	=	1	1	2

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EX0	VERTICAL
NUMBER	=	2	4	0
MEAN	=	20.000	9.000	9999.000
STD. DEV.	=	14.142	6.928	0.000
SUM X'S	=	40.000	36.000	0.000
SUM X*X	=	1000.000	468.000	0.000
MAXIMUM	=	30	15	-1000
MINIMUM	=	10	3	1000

NUMBER SHOWING ORTHOPHORIA= 153

FOR FAR COVER TEST DATA

NUMBER FAILED = 12
 NUMBER BORDERLINE= 10
 NUMBER PASSED = 220

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	45	97	1
MEAN	=	3.302	3.896	2.000
STD. DEV.	=	1.669	2.186	0.000
SUM X'S	=	142.000	378.000	2.000
SUM X*X	=	536.000	1932.000	4.000
MAXIMUM	=	9	13	2
MINIMUM	=	1	1	2

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	3	4	0
MEAN =	20.000	9.000	9999.000
STD. DEV.=	8.660	6.926	0.000
SUM X'S =	60.000	36.000	0.000
SUM X*X =	1350.000	468.000	0.000
MAXIMUM =	30	15	-1000
MINIMUM =	15	3	1000

NUMBER SHOWING ORTHOPHORIA= 94

FOR NEAR COVER TEST DATA

NUMBER FAILED = 19
 NUMBER BORDERLINE= 34
 NUMBER PASSED = 189

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 11
 NUMBER BORDERLINE= 51
 NUMBER PASSED = 179

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 7
 NUMBER BORDERLINE= 41
 NUMBER PASSED = 192

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	242	242
MEAN =	-0.831	-0.833
STD. DEV.=	0.429	0.469
SUM X'S =	-201.279	-201.659
SUM X*X =	211.888	221.194
MAXIMUM =	0.500	1.000
MINIMUM =	-2.000	-2.250
NUMBER FAILED =	11	15
NUMBER BORDERLINE=	40	38
NUMBER PASSED =	191	189

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	243	243
MEAN =	0.641	0.630
STD. DEV.=	0.617	0.597
SUM X'S =	155.915	153.260
SUM X*X =	192.306	183.102
MAXIMUM =	4.000	4.000
MINIMUM =	-1.000	-1.250

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 29 32
NUMBER BORDERLINE= 19 21
NUMBER PASSED = 195 190

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 2 2
NUMBER BORDERLINE= 1 5
NUMBER PASSED = 240 236

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 2
NUMBER BORDERLINE= 9
NUMBER PASSED = 232

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	7	2
NUMBER BORDERLINE=	2	7	17
NUMBER PASSED =	241	229	224

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	0	0
MEAN =	9999.000	9999.000
STD. DEV.=	0.000	0.000
SUM X'S =	0.000	0.000
SUM X*X =	0.000	0.000
MAXIMUM =	-1000	-1000
MINIMUM =	1000	1000

Total
G 2

NUMBER OF GIRLS IN SAMPLE= 123
NUMBER OF BOYS IN SAMPLE= 136
GRADE K 1 2 3 4 5 6 SP
NUMBER 0 0 259 0 0 0 0 0

DATA FOR FAR VA--O.D., O.S., O.U.
NUMBER = 259 259 259
MEAN = 0.924 0.928 0.942
STD. DEV.= 0.191 0.181 0.172
SUM X'S = 239.501 240.499 244.265
SUM X*X = 230.916 231.842 237.993
MAXIMUM = 20/ 15 20/ 15 20/ 15
MINIMUM = 20/200 20/ 80 20/ 80
NUMBER FAILED = 11
NUMBER BORDERLINE= 82
NUMBER PASSED = 166

DATA FOR NEAR VA--O.D., O.S., O.U.
NUMBER = 252 252 252
MEAN = 0.869 0.869 0.889
STD. DEV.= 0.184 0.178 0.169
SUM X'S = 219.001 219.049 224.082
SUM X*X = 198.633 198.369 206.479
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 99 20/ 80 20/ 80
NUMBER FAILED = 12
NUMBER BORDERLINE= 87
NUMBER PASSED = 153

DATA FOR STEREOPSIS
NUMBER FAILED = 7
NUMBER BORDERLINE= 6
NUMBER PASSED = 244

DATA FOR COLOR VISION
NUMBER FAILED = 8
NUMBER BORDERLINE= 11
NUMBER PASSED = 168

DATA FOR DISTANCE ROCK
NUMBER = 71
MEAN = 17.337
STD. DEV.= 4.629
SUM X'S = 1230.987
SUM X*X = 22842.758
MAXIMUM = 29
MINIMUM = 6
NUMBER FAILED = 9
NUMBER BORDERLINE= 48
NUMBER PASSED = 17

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	255	255	255
MEAN	=	2.125	3.764	1.417
STD. DEV.	=	1.899	2.392	1.778
SUM X'S	=	542.000	960.000	361.448
SUM X*X	=	2068.000	5068.000	1316.078
MAXIMUM	=	15	18	12.500
MINIMUM	=	1	1	0.125
NUMBER FAILED	=	21		
NUMBER BORDERLINE	=	12		
NUMBER PASSED	=	222		

DATA FOR FAR COVER TEST, PHORIAS

	ES0	EX0	VERTICAL	
NUMBER	=	19	62	0
MEAN	=	2.263	2.935	9999.000
STD. DEV.	=	0.991	1.782	0.000
SUM X'S	=	43.000	182.000	0.000
SUM X*X	=	115.000	728.000	0.000
MAXIMUM	=	5	10	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

	ES0	EX0	VERTICAL	
NUMBER	=	4	1	0
MEAN	=	12.250	10.000	9999.000
STD. DEV.	=	6.448	0.000	0.000
SUM X'S	=	49.000	10.000	0.000
SUM X*X	=	725.000	100.000	0.000
MAXIMUM	=	20	10	-1000
MINIMUM	=	6	10	1000

NUMBER SHOWING ORTHOPHORIA= 172

FOR FAR COVER TEST DATA

NUMBER FAILED	=	12
NUMBER BORDERLINE	=	11
NUMBER PASSED	=	235

DATA FOR NEAR COVER TEST, PHORIAS

	ES0	EX0	VERTICAL	
NUMBER	=	47	104	0
MEAN	=	3.361	4.240	9999.000
STD. DEV.	=	1.724	2.597	0.000
SUM X'S	=	158.000	441.000	0.000
SUM X*X	=	668.000	2565.000	0.000
MAXIMUM	=	6	12	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXU	VERTICAL
NUMBER =	4	2	0
MEAN =	13.000	7.500	9999.000
STD. DEV.=	7.023	3.335	0.000
SUM X'S =	52.000	15.000	0.000
SUM X*X =	824.000	125.000	0.000
MAXIMUM =	20	10	-1000
MINIMUM =	6	5	1000

NUMBER SHOWING ORTHOPHORIA= 101

FOR NEAR COVER TEST DATA

NUMBER FAILED = 22
 NUMBER BORDERLINE= 38
 NUMBER PASSED = 198

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 6
 NUMBER BORDERLINE= 28
 NUMBER PASSED = 225

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 11
 NUMBER BORDERLINE= 23
 NUMBER PASSED = 225

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	254	255
MEAN =	-0.817	-0.842
STD. DEV.=	0.401	0.414
SUM X'S =	-207.569	-214.939
SUM X*X =	210.510	224.892
MAXIMUM =	0.250	0.000
MINIMUM =	-2.250	-2.500
NUMBER FAILED =	11	13
NUMBER BORDERLINE=	35	42
NUMBER PASSED =	208	200

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	258	258
MEAN =	0.579	0.535
STD. DEV.=	0.706	0.670
SUM X'S =	149.621	138.244
SUM X*X =	214.972	189.611
MAXIMUM =	5.000	4.000
MINIMUM =	-1.250	-1.750

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 37 33
 NUMBER BORDERLINE= 20 17
 NUMBER PASSED = 201 208

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 6 8
 NUMBER BORDERLINE= 5 6
 NUMBER PASSED = 247 244

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 8
 NUMBER BORDERLINE= 13
 NUMBER PASSED = 237

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	7	0
NUMBER BORDERLINE=	2	3	9
NUMBER PASSED =	256	249	250

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	0	0
MEAN =	9999.000	9999.000
STD. DEV.=	0.000	0.000
SUM X'S =	0.000	0.000
SUM X*X =	0.000	0.000
MAXIMUM =	-1000	-1000
MINIMUM =	1000	1000

1. Sample
C-3

NUMBER OF GIRLS IN SAMPLE= 114
NUMBER OF BOYS IN SAMPLE= 148
GRADE K 1 2 3 4 5 6 SP
NUMBER 0 0 0 262 0 0 0 0

DATA FOR FAR VA--G.D., G.S., O.U.
NUMBER = 262 262 262
MEAN = 0.905 0.896 0.916
STD. DEV.= 0.154 0.168 0.145
SUM X'S = 237.249 234.882 240.682
SUM X*X = 221.040 217.974 226.605
MAXIMUM = 20/ 15 20/ 15 20/ 15
MINIMUM = 20/ 80 20/100 20/ 80
NUMBER FAILED = 17
NUMBER BORDERLINE= 82
NUMBER PASSED = 163

DATA FOR NEAR VA--O.D., O.S., O.U.
NUMBER = 240 240 240
MEAN = 0.879 0.861 0.889
STD. DEV.= 0.166 0.178 0.158
SUM X'S = 210.999 206.804 213.399
SUM X*X = 192.122 185.789 195.786
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 60 20/ 90 20/ 40
NUMBER FAILED = 11
NUMBER BORDERLINE= 87
NUMBER PASSED = 142

DATA FOR STEREOPSIS
NUMBER FAILED = 3
NUMBER BORDERLINE= 9
NUMBER PASSED = 247

DATA FOR COLOR VISION
NUMBER FAILED = 10
NUMBER BORDERLINE= 5
NUMBER PASSED = 149

DATA FOR DISTANCE ROCK
NUMBER = 86
MEAN = 19.477
STD. DEV.= 4.089
SUM X'S = 1713.997
SUM X*X = 34838.980
MAXIMUM = 26
MINIMUM = 9
NUMBER FAILED = 5
NUMBER BORDERLINE= 50
NUMBER PASSED = 35

DATA FOR NEAR POINT OF CONVERGENCE--BREAK, RECOVERY, AND RATIO

NUMBER	=	255	255	255
MEAN	=	2.156	3.592	1.492
STD. DEV.	=	2.187	2.648	1.984
SUM X'S	=	550.000	916.000	380.536
SUM X*X	=	2402.000	5072.000	1568.188
MAXIMUM	=	20	20	20.000
MINIMUM	=	1	1	0.166
NUMBER FAILED	=	13		
NUMBER BORDERLINE	=	24		
NUMBER PASSED	=	218		

DATA FOR FAR COVER TEST, PHORIAS

	ES0	EXO	VERTICAL
NUMBER	= 21	53	0
MEAN	= 2.619	2.358	9999.000
STD. DEV.	= 1.283	0.962	0.000
SUM X'S	= 55.000	125.000	0.000
SUM X*X	= 177.000	343.000	0.000
MAXIMUM	= 6	6	-1000
MINIMUM	= 1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

	ES0	EXO	VERTICAL
NUMBER	= 2	2	0
MEAN	= 11.500	25.000	9999.000
STD. DEV.	= 4.949	0.000	0.000
SUM X'S	= 23.000	50.000	0.000
SUM X*X	= 289.000	1250.000	0.000
MAXIMUM	= 15	25	-1000
MINIMUM	= 8	25	1000

NUMBER SHOWING ORTHOPHORIA= 179

FOR FAR COVER TEST DATA

NUMBER FAILED	=	7
NUMBER BORDERLINE	=	8
NUMBER PASSED	=	242

DATA FOR NEAR COVER TEST, PHORIAS

	ES0	EXO	VERTICAL
NUMBER	= 47	123	0
MEAN	= 3.638	3.991	9999.000
STD. DEV.	= 3.226	2.520	0.000
SUM X'S	= 171.000	491.000	0.000
SUM X*X	= 1101.000	2735.000	0.000
MAXIMUM	= 15	15	-1000
MINIMUM	= 1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESG	EXO	VERTICAL
NUMBER =	6	2	0
MEAN =	19.500	25.000	9999.000
STD. DEV.=	6.410	0.000	0.000
SUM X'S =	117.000	50.000	0.000
SUM X*X =	2487.000	1250.000	0.000
MAXIMUM =	30	25	-1000
MINIMUM =	12	25	1000

NUMBER SHOWING ORTHOPHORIA= 79

FOR NEAR COVER TEST DATA

NUMBER FAILED = 20
 NUMBER BORDERLINE= 34
 NUMBER PASSED = 203

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 5
 NUMBER BORDERLINE= 17
 NUMBER PASSED = 240

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 7
 NUMBER BORDERLINE= 19
 NUMBER PASSED = 236

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	259	259
MEAN =	-0.757	-0.769
STD. DEV.=	0.447	0.466
SUM X'S =	-196.319	-199.199
SUM X*X =	200.518	209.248
MAXIMUM =	0.500	0.500
MINIMUM =	-2.250	-2.250
NUMBER FAILED =	10	14
NUMBER BORDERLINE=	41	39
NUMBER PASSED =	208	206

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	262	262
MEAN =	0.465	0.495
STD. DEV.=	0.581	0.582
SUM X'S =	121.997	129.861
SUM X*X =	145.082	152.902
MAXIMUM =	2.500	3.000
MINIMUM =	-1.250	-1.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 30 27
NUMBER BORDERLINE= 18 21
NUMBER PASSED = 214 214

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 3 3
NUMBER BORDERLINE= 2 4
NUMBER PASSED = 257 255

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 2
NUMBER BORDERLINE= 5
NUMBER PASSED = 255

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	1	1
NUMBER BORDERLINE=	5	5	7
NUMBER PASSED =	257	256	254

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	168	163
MEAN =	51.250	50.226
STD. DEV.=	8.963	9.854
SUM X'S =	8610.000	8187.000
SUM X*X =	454680.020	426941.030
MAXIMUM =	69	68
MINIMUM =	28	32

Total Sample
G-4

NUMBER OF GIRLS IN SAMPLE=	152							
NUMBER OF BOYS IN SAMPLE=	156							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	0	308	0	0	0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER	=	307	308	308
MEAN	=	0.943	0.938	0.951
STD. DEV.=		0.171	0.180	0.165
SUM X'S	=	289.779	288.997	293.178
SUM X*X	=	282.493	281.201	287.486
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/ 80	20/ 80	20/ 80
NUMBER FAILED	=	12		
NUMBER BORDERLINE=		79		
NUMBER PASSED	=	217		

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER	=	306	307	307
MEAN	=	0.916	0.923	0.934
STD. DEV.=		0.160	0.151	0.141
SUM X'S	=	280.561	283.631	286.831
SUM X*X	=	265.052	269.055	274.082
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 87	20/ 60	20/ 60
NUMBER FAILED	=	14		
NUMBER BORDERLINE=		64		
NUMBER PASSED	=	229		

DATA FOR STEREOPSIS

NUMBER FAILED	=	8
NUMBER BORDERLINE=		10
NUMBER PASSED	=	290

DATA FOR COLOR VISION

NUMBER FAILED	=	8
NUMBER BORDERLINE=		2
NUMBER PASSED	=	190

DATA FOR DISTANCE ROCK

NUMBER	=	147
MEAN	=	21.343
STD. DEV.=		4.580
SUM X'S	=	3137.494
SUM X*X	=	70028.001
MAXIMUM	=	38
MINIMUM	=	11
NUMBER FAILED	=	0
NUMBER BORDERLINE=		68
NUMBER PASSED	=	79

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER =	300	300	300
MEAN =	2.266	3.926	1.473
STD. DEV.=	1.702	2.346	1.529
SUM X'S =	680.000	1178.000	442.108
SUM X*X =	2408.000	6272.000	1351.011
MAXIMUM =	12	14	11.076
MINIMUM =	1	1	0.199
NUMBER FAILED =	20		
NUMBER BORDERLINE=	37		
NUMBER PASSED =	243		

DATA FOR FAR COVER TEST, PHORIAS

	ESO	EXO	VERTICAL
NUMBER =	17	50	0
MEAN =	3.823	2.779	9999.000
STD. DEV.=	3.264	1.810	0.000
SUM X'S =	65.000	139.000	0.000
SUM X*X =	419.000	547.000	0.000
MAXIMUM =	13	11	-1000
MINIMUM =	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	5	0	0
MEAN =	10.000	9999.000	9999.000
STD. DEV.=	9.165	0.000	0.000
SUM X'S =	30.000	0.000	0.000
SUM X*X =	468.000	0.000	0.000
MAXIMUM =	20	-1000	-1000
MINIMUM =	2	1000	1000

NUMBER SHOWING ORTHOPHORIA= 236

FOR FAR COVER TEST DATA

NUMBER FAILED = 12
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 289

DATA FOR NEAR COVER TEST, PHORIAS

	ESO	EXO	VERTICAL
NUMBER =	41	114	1
MEAN =	4.121	4.067	2.000
STD. DEV.=	3.210	1.846	0.000
SUM X'S =	169.000	466.000	2.000
SUM X*X =	1109.000	2290.000	4.000
MAXIMUM =	17	12	2
MINIMUM =	1	2	2

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	5	2	0
MEAN =	8.799	7.500	9999.000
STD. DEV.=	6.379	3.535	0.000
SUM X'S =	44.000	15.000	0.000
SUM X*X =	550.000	125.000	0.000
MAXIMUM =	20	10	-1000
MINIMUM =	5	5	1000

NUMBER SHOWING ORTHOPHORIA= 143

FOR NEAR COVER TEST DATA

NUMBER FAILED = 20
 NUMBER BORDERLINE= 29
 NUMBER PASSED = 257

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 25
 NUMBER PASSED = 279

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 8
 NUMBER BORDERLINE= 26
 NUMBER PASSED = 274

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	308	308
MEAN =	-0.724	-0.745
STD. DEV.=	0.417	0.431
SUM X'S =	-223.109	-229.739
SUM X*X =	215.075	228.623
MAXIMUM =	0.500	0.500
MINIMUM =	-2.000	-2.250
NUMBER FAILED =	7	9
NUMBER BORDERLINE=	34	38
NUMBER PASSED =	267	261

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	308	308
MEAN =	0.454	0.469
STD. DEV.=	0.674	0.680
SUM X'S =	140.130	144.669
SUM X*X =	203.371	209.993
MAXIMUM =	4.000	4.500
MINIMUM =	-1.499	-1.500

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED	=	41	42
NUMBER BORDERLINE	=	23	23
NUMBER PASSED	=	244	243

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED	=	6	7
NUMBER BORDERLINE	=	9	10
NUMBER PASSED	=	293	291

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED	=	7
NUMBER BORDERLINE	=	7
NUMBER PASSED	=	294

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 1	10	2
NUMBER BORDERLINE	= 2	4	12
NUMBER PASSED	= 305	294	294

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 255	252
MEAN	= 51.305	51.333
STD. DEV.	= 9.739	9.504
SUM X'S	= 13083.004	12936.002
SUM X*X	= 695327.040	686720.010
MAXIMUM	= 71	71
MINIMUM	= 31	32

NUMBER OF GIRLS IN SAMPLE= 133
 NUMBER OF BOYS IN SAMPLE= 140
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 0 0 273 0 0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER = 273 273 273
 MEAN = 0.952 0.958 0.978
 STD. DEV.= 0.207 0.206 0.193
 SUM X'S = 259.965 261.598 267.197
 SUM X*X = 259.220 262.247 271.692
 MAXIMUM = 20/ 10 20/ 10 20/ 10
 MINIMUM = 20/ 60 20/ 60 20/ 60
 NUMBER FAILED = 18
 NUMBER BORDERLINE= 50
 NUMBER PASSED = 205

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER = 273 273 273
 MEAN = 0.926 0.925 0.942
 STD. DEV.= 0.155 0.160 0.141
 SUM X'S = 252.871 252.605 257.221
 SUM X*X = 240.809 240.751 247.827
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 90 20/ 90 20/ 90
 NUMBER FAILED = 13
 NUMBER BORDERLINE= 51
 NUMBER PASSED = 209

DATA FOR STEREOPSIS

NUMBER FAILED = 13
 NUMBER BORDERLINE= 16
 NUMBER PASSED = 242

DATA FOR COLOR VISION

NUMBER FAILED = 9
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 166

DATA FOR DISTANCE ROCK

NUMBER = 110
 MEAN = 24.071
 STD. DEV.= 5.028
 SUM X'S = 2647.857
 SUM X*X = 66493.755
 MAXIMUM = 38
 MINIMUM = 12
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 31
 NUMBER PASSED = 79

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	270	270	270
MEAN	=	2.151	3.574	1.491
STD. DEV.	=	1.630	2.174	1.475
SUM X'S	=	581.000	965.000	402.709
SUM X*X	=	1965.000	4721.000	1186.186
MAXIMUM	=	12	13	12.000
MINIMUM	=	1	1	0.090
NUMBER FAILED	=	13		
NUMBER BORDERLINE	=	29		
NUMBER PASSED	=	228		

DATA FOR FAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	17	58	0
MEAN	=	2.882	3.103	9999.000
STD. DEV.	=	2.147	3.291	0.000
SUM X'S	=	49.000	180.000	0.000
SUM X*X	=	215.000	1176.000	0.000
MAXIMUM	=	10	25	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESU	EXO	VERTICAL
NUMBER	=	6	2	0
MEAN	=	23.833	9.000	9999.000
STD. DEV.	=	8.495	8.485	0.000
SUM X'S	=	143.000	18.000	0.000
SUM X*X	=	3769.000	234.000	0.000
MAXIMUM	=	35	15	-1000
MINIMUM	=	13	3	1000

NUMBER SHOWING ORTHOPHORIA= 188

FOR FAR COVER TEST DATA

NUMBER FAILED	=	13
NUMBER BORDERLINE	=	12
NUMBER PASSED	=	246

DATA FOR NEAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	39	121	0
MEAN	=	3.974	4.462	9999.000
STD. DEV.	=	2.170	3.170	0.000
SUM X'S	=	155.000	540.000	0.000
SUM X*X	=	795.000	3616.000	0.000
MAXIMUM	=	10	25	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPICAS

	ESO	EXO	VERTICAL
NUMBER =	6	3	0
MEAN =	23.166	8.666	9999.000
STD. DEV.=	11.513	1.154	0.000
SUM X'S =	139.000	26.000	0.000
SUM X*X =	3883.000	228.000	0.000
MAXIMUM =	35	10	-1000
MINIMUM =	10	8	1000

NUMBER SHOWING ORTHOPHORIA= 103

FOR NEAR COVER TEST DATA

NUMBER FAILED = 25
 NUMBER BORDERLINE= 31
 NUMBER PASSED = 216

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 3
 NUMBER BORDERLINE= 23
 NUMBER PASSED = 245

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 20
 NUMBER PASSED = 248

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	271	271
MEAN =	-0.692	-0.714
STD. DEV.=	0.493	0.477
SUM X'S =	-187.709	-193.709
SUM X*X =	195.727	200.097
MAXIMUM =	1.500	0.750
MINIMUM =	-2.250	-2.250
NUMBER FAILED =	7	7
NUMBER BORDERLINE=	35	38
NUMBER PASSED =	229	226

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	273	273
MEAN =	0.418	0.480
STD. DEV.=	0.645	0.607
SUM X'S =	114.169	131.226
SUM X*X =	161.104	163.389
MAXIMUM =	4.500	3.500
MINIMUM =	-4.000	-1.500

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 26 28
NUMBER BORDERLINE= 15 25
NUMBER PASSED = 232 220

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 1 2
NUMBER BORDERLINE= 5 8
NUMBER PASSED = 267 263

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 7
NUMBER BORDERLINE= 5
NUMBER PASSED = 261

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	5	0
NUMBER BORDERLINE=	3	3	8
NUMBER PASSED =	270	265	265

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	235	235
MEAN =	49.702	50.634
STD. DEV.=	9.496	10.849
SUM X'S =	11660.001	11899.000
SUM X*X =	601622.040	630041.000
MAXIMUM =	71	71
MINIMUM =	23	28

Total Sample
G-6

NUMBER OF GIRLS IN SAMPLE= 146
NUMBER OF BOYS IN SAMPLE= 161
GRADE K 1 2 3 4 5 6 SP
NUMBER 0 0 0 0 0 0 307 0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER = 307 307 307
MEAN = 0.953 0.955 0.978
STD. DEV.= 0.194 0.193 0.170
SUM X'S = 292.799 293.405 300.297
SUM X*X = 290.815 291.907 302.631
MAXIMUM = 20/ 15 20/ 15 20/ 15
MINIMUM = 20/ 80 20/900 20/ 60
NUMBER FAILED = 22
NUMBER BORDERLINE= 58
NUMBER PASSED = 227

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER = 307 306 307
MEAN = 0.901 0.906 0.919
STD. DEV.= 0.167 0.163 0.151
SUM X'S = 276.787 277.264 282.215
SUM X*X = 258.141 259.368 266.429
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 90 20/ 60 20/ 80
NUMBER FAILED = 19
NUMBER BORDERLINE= 70
NUMBER PASSED = 218

DATA FOR STEREOPSIS

NUMBER FAILED = 14
NUMBER BORDERLINE= 9
NUMBER PASSED = 284

DATA FOR COLOR VISION

NUMBER FAILED = 6
NUMBER BORDERLINE= 4
NUMBER PASSED = 191

DATA FOR DISTANCE ROCK

NUMBER = 176
MEAN = 26.011
STD. DEV.= 5.730
SUM X'S = 4577.953
SUM X*X = 124824.700
MAXIMUM = 48
MINIMUM = 14
NUMBER FAILED = 0
NUMBER BORDERLINE= 37
NUMBER PASSED = 139

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	301	301	301
MEAN	=	2.089	3.681	1.382
STD. DEV.	=	1.657	2.235	1.504
SUM X'S	=	629.000	1108.000	416.134
SUM X*X	=	2139.000	5578.000	1254.755
MAXIMUM	=	16	16	16.000
MINIMUM	=	1	1	0.125
NUMBER FAILED	=	14		
NUMBER BORDERLINE	=	42		
NUMBER PASSED	=	245		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	53	63	0
MEAN	=	3.000	2.634	9999.000
STD. DEV.	=	2.586	2.134	0.000
SUM X'S	=	99.000	166.000	0.000
SUM X*X	=	511.000	720.000	0.000
MAXIMUM	=	14	15	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EX0	VERTICAL
NUMBER	=	6	3	0
MEAN	=	11.500	14.000	9999.000
STD. DEV.	=	5.576	5.291	0.000
SUM X'S	=	69.000	42.000	0.000
SUM X*X	=	949.000	644.000	0.000
MAXIMUM	=	20	20	-1000
MINIMUM	=	4	10	1000

NUMBER SHOWING ORTHOPHORIA= 201

FOR FAR COVER TEST DATA

NUMBER FAILED	=	19
NUMBER BORDERLINE	=	8
NUMBER PASSED	=	279

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	56	132	0
MEAN	=	3.339	4.295	9999.000
STD. DEV.	=	1.993	2.822	0.000
SUM X'S	=	187.000	567.000	0.000
SUM X*X	=	843.000	3479.000	0.000
MAXIMUM	=	10	15	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXU	VERTICAL
NUMBER =	6	4	0
MEAN =	16.500	10.500	9999.000
STD. DEV.=	3.728	1.000	0.000
SUM X'S =	99.000	42.000	0.000
SUM X*X =	1703.000	444.000	0.000
MAXIMUM =	20	12	-1000
MINIMUM =	10	10	1000

NUMBER SHOWING ORTHOPHORIA= 108

FOR NEAR COVER TEST DATA

NUMBER FAILED = 31
 NUMBER BORDERLINE= 37
 NUMBER PASSED = 236

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 6
 NUMBER BORDERLINE= 33
 NUMBER PASSED = 268

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 21
 NUMBER PASSED = 282

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	306	305
MEAN =	-0.712	-0.694
STD. DEV.=	0.428	0.404
SUM X'S =	-217.929	-211.939
SUM X*X =	211.093	197.022
MAXIMUM =	0.250	0.250
MINIMUM =	-2.250	-1.750
NUMBER FAILED =	11	10
NUMBER BORDERLINE=	29	28
NUMBER PASSED =	266	267

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	305	305
MEAN =	0.310	0.278
STD. DEV.=	0.602	0.973
SUM X'S =	94.808	84.905
SUM X*X =	139.717	312.008
MAXIMUM =	2.250	2.000
MINIMUM =	-1.500	-13.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 38 43
NUMBER BORDERLINE = 22 14
NUMBER PASSED = 245 248

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 6 5
NUMBER BORDERLINE = 7 4
NUMBER PASSED = 292 296

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 6
NUMBER BORDERLINE = 12
NUMBER PASSED = 287

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	1	9	1
NUMBER BORDERLINE =	2	6	13
NUMBER PASSED =	304	292	293

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	263	266
MEAN =	50.205	50.868
STD. DEV. =	9.597	9.576
SUM X'S =	13204.002	13531.005
SUM X*X =	687044.020	712605.050
MAXIMUM =	69	75
MINIMUM =	27	30

Total Sample
G-SP

NUMBER OF GIRLS IN SAMPLE=	10							
NUMBER OF BOYS IN SAMPLE=	13							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	0	0	0	0	23

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER	=	23	23	23
MEAN	=	0.813	0.779	0.824
STD. DEV.=		0.165	0.187	0.159
SUM X'S	=	18.699	17.933	18.966
SUM X*X	=	15.809	14.757	16.201
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 40	20/ 60	20/ 40
NUMBER FAILED	=	3		
NUMBER BORDERLINE=		13		
NUMBER PASSED	=	7		

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER	=	23	23	23
MEAN	=	0.797	0.782	0.810
STD. DEV.=		0.194	0.184	0.176
SUM X'S	=	18.333	17.999	18.633
SUM X*X	=	15.444	14.833	15.778
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 60	20/ 40	20/ 40
NUMBER FAILED	=	2		
NUMBER BORDERLINE=		12		
NUMBER PASSED	=	9		

DATA FOR STEREOPSIS

NUMBER FAILED	=	1
NUMBER BORDERLINE=		2
NUMBER PASSED	=	20

DATA FOR COLOR VISION

NUMBER FAILED	=	2
NUMBER BORDERLINE=		1
NUMBER PASSED	=	18

DATA FOR DISTANCE ROCK

NUMBER	=	0
MEAN	=	9999.000
STD. DEV.=		0.000
SUM X'S	=	0.000
SUM X*X	=	0.000
MAXIMUM	=	-1000
MINIMUM	=	1000
NUMBER FAILED	=	0
NUMBER BORDERLINE=		0
NUMBER PASSED	=	0

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	21	21	21
MEAN	=	4.476	5.523	3.780
STD. DEV.=		6.622	6.446	6.774
SUM X'S	=	94.000	116.000	79.385
SUM X*X	=	1298.000	1472.000	1218.054
MAXIMUM	=	33	33	33.000
MINIMUM	=	1	1	1.000
NUMBER FAILED	=	1		
NUMBER BORDERLINE	=	7		
NUMBER PASSED	=	13		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	5	8	0
MEAN	=	5.333	3.000	9999.000
STD. DEV.=		4.163	2.678	0.000
SUM X'S	=	16.000	24.000	0.000
SUM X*X	=	120.000	130.000	0.000
MAXIMUM	=	10	10	-1000
MINIMUM	=	2	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	0	0	0
MEAN	=	9999.000	9999.000	9999.000
STD. DEV.=		0.000	0.000	0.000
SUM X'S	=	0.000	0.000	0.000
SUM X*X	=	0.000	0.000	0.000
MAXIMUM	=	-1000	-1000	-1000
MINIMUM	=	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 12

FOR FAR COVER TEST DATA

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	20

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	3	14	0
MEAN	=	5.666	7.000	9999.000
STD. DEV.=		3.785	4.113	0.000
SUM X'S	=	17.000	98.000	0.000
SUM X*X	=	125.000	906.000	0.000
MAXIMUM	=	10	15	-1000
MINIMUM	=	3	2	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	0	0	0
MEAN =	9999.000	9999.000	9999.000
STD. DEV. =	0.000	0.000	0.000
SUM X'S =	0.000	0.000	0.000
SUM X*X =	0.000	0.000	0.000
MAXIMUM =	-1000	-1000	-1000
MINIMUM =	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 5

FOR NEAR COVER TEST DATA

NUMBER FAILED = 6
 NUMBER BORDERLINE= 2
 NUMBER PASSED = 14

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 4
 NUMBER PASSED = 17

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 6
 NUMBER PASSED = 16

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	23	23
MEAN =	-0.792	-0.852
STD. DEV. =	0.329	0.454
SUM X'S =	-18.229	-19.609
SUM X*X =	16.835	21.270
MAXIMUM =	0.000	0.000
MINIMUM =	-1.370	-2.250
NUMBER FAILED =	0	1
NUMBER BORDERLINE=	3	3
NUMBER PASSED =	20	19

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	22	22
MEAN =	0.535	0.636
STD. DEV. =	0.430	0.521
SUM X'S =	11.772	14.000
SUM X*X =	10.199	14.625
MAXIMUM =	1.750	2.000
MINIMUM =	-0.250	0.000

EVALUATION BASED ON SPHERE POWER
NUMBER FAILED = 2 3
NUMBER BORDERLINE= 1 2
NUMBER PASSED = 19 17
EVALUATION BASED ON ASTIGMATISM
NUMBER FAILED = 0 1
NUMBER BORDERLINE= 1 0
NUMBER PASSED = 21 21
EVALUATION BASED ON ANISOMETROPIA
NUMBER FAILED = 0
NUMBER BORDERLINE= 1
NUMBER PASSED = 21

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	1	1	0
NUMBER BORDERLINE=	0	1	3
NUMBER PASSED =	22	21	20

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	0	0
MEAN =	9999.000	9999.000
STD. DEV.=	0.000	0.000
SUM X'S =	0.000	0.000
SUM X*X =	0.000	0.000
MAXIMUM =	-1000	-1000
MINIMUM =	1000	1000

Ty
Girls

NUMBER OF GIRLS IN SAMPLE= 929
NUMBER OF BOYS IN SAMPLE= 0
GRADE K 1 2 3 4 5 6 SP
NUMBER 145 106 123 114 152 133 146 10

DATA FOR FAR VA--0.0., 0.5., 0.0.
NUMBER = 928 928 929
MEAN = 0.895 0.895 0.913
STD. DEV.= 0.192 0.193 0.182
SUM X'S = 831.062 830.939 848.556
SUM X*X = 778.545 778.874 805.892
MAXIMUM = 20/ 15 20/ 15 20/ 15
MINIMUM = 20/900 20/ 80 20/ 80
NUMBER FAILED = 60
NUMBER BORDERLINE= 314
NUMBER PASSED = 555

DATA FOR NEAR VA--0.0., 0.5., 0.0.
NUMBER = 905 906 907
MEAN = 0.850 0.852 0.865
STD. DEV.= 0.181 0.180 0.172
SUM X'S = 770.152 772.469 785.269
SUM X*X = 685.240 688.175 706.962
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 99 20/ 60 20/ 60
NUMBER FAILED = 55
NUMBER BORDERLINE= 348
NUMBER PASSED = 504

DATA FOR STEREOPSIS
NUMBER FAILED = 21
NUMBER BORDERLINE= 35
NUMBER PASSED = 864

DATA FOR COLOR VISION
NUMBER FAILED = 6
NUMBER BORDERLINE= 6
NUMBER PASSED = 286

DATA FOR DISTANCE ROCK
NUMBER = 315
MEAN = 21.752
STD. DEV.= 6.154
SUM X'S = 6852.164
SUM X*X = 160946.480
MAXIMUM = 48
MINIMUM = 8
NUMBER FAILED = 13
NUMBER BORDERLINE= 136
NUMBER PASSED = 169

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	914	914	914
MEAN	=	2.230	3.711	1.533
STD. DEV.	=	2.152	2.611	2.016
SUM X'S	=	2039.000	3392.000	1401.606
SUM X*X	=	8777.000	18816.000	5862.836
MAXIMUM	=	33	33	33.000
MINIMUM	=	1	1	0.090
NUMBER FAILED	=	50		
NUMBER BORDERLINE	=	101		
NUMBER PASSED	=	763		

DATA FOR FAR COVER TEST, PHORIAS

	ESU	EXU	VERTICAL	
NUMBER	=	68	196	0
MEAN	=	2.705	2.969	9999.000
STD. DEV.	=	2.266	2.482	0.000
SUM X'S	=	184.000	582.000	0.000
SUM X*X	=	842.000	2930.000	0.000
MAXIMUM	=	14	25	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

	ESU	EXU	VERTICAL	
NUMBER	=	11	6	1
MEAN	=	12.363	13.833	5.000
STD. DEV.	=	8.547	7.985	0.000
SUM X'S	=	136.000	83.000	5.000
SUM X*X	=	2412.000	1467.000	25.000
MAXIMUM	=	30	25	5
MINIMUM	=	4	3	5

NUMBER SHOWING ORTHOPHORIA= 642

FOR FAR COVER TEST DATA

NUMBER FAILED	=	42
NUMBER BORDERLINE	=	32
NUMBER PASSED	=	850

DATA FOR NEAR COVER TEST, PHORIAS

	ESU	EXU	VERTICAL	
NUMBER	=	157	402	0
MEAN	=	3.681	4.328	9999.000
STD. DEV.	=	2.369	2.898	0.000
SUM X'S	=	578.000	1740.000	0.000
SUM X*X	=	3004.000	10900.002	0.000
MAXIMUM	=	15	25	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	13	10	1
MEAN =	15.076	9.900	5.000
STD. DEV.=	9.059	5.989	0.000
SUM X'S =	196.000	99.000	5.000
SUM X*X =	3940.000	1303.000	25.000
MAXIMUM =	35	25	5
MINIMUM =	5	3	5

NUMBER SHOWING ORTHOPHORIA= 342

FOR NEAR COVER TEST DATA

NUMBER FAILED = 85
 NUMBER BORDERLINE= 114
 NUMBER PASSED = 726

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 20
 NUMBER BORDERLINE= 102
 NUMBER PASSED = 804

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 21
 NUMBER BORDERLINE= 86
 NUMBER PASSED = 819

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	920	922
MEAN =	-0.765	-0.774
STD. DEV.=	0.439	0.448
SUM X'S =	-704.512	-714.282
SUM X*X =	717.156	738.506
MAXIMUM =	0.500	1.000
MINIMUM =	-2.500	-2.500
NUMBER FAILED =	37	42
NUMBER BORDERLINE=	118	119
NUMBER PASSED =	765	761

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	926	926
MEAN =	0.519	0.562
STD. DEV.=	1.092	0.704
SUM X'S =	480.819	521.057
SUM X*X =	1353.490	751.740
MAXIMUM =	5.000	4.500
MINIMUM =	-25.000	-1.750

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 135 153
 NUMBER BORDERLINE= 87 72
 NUMBER PASSED = 704 701
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 24 19
 NUMBER BORDERLINE= 19 19
 NUMBER PASSED = 883 688
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 24
 NUMBER BORDERLINE= 36
 NUMBER PASSED = 866

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	2	27	4
NUMBER BORDERLINE=	6	16	33
NUMBER PASSED =	917	885	891

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	435	433
MEAN =	51.170	50.277
STD. DEV.=	8.836	9.660
SUM X'S =	22259.002	21770.000
SUM X*X =	1172887.000	1134852.100
MAXIMUM =	70	75
MINIMUM =	27	28

NUMBER OF GIRLS IN SAMPLE= 145
 NUMBER OF BOYS IN SAMPLE= 0
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 145 0 0 0 0 0 0 0

DATA FOR FAR VA--O.U., O.S., O.U.

NUMBER = 144 144 145
 MEAN = 0.715 0.710 0.720
 STD. DEV.= 0.145 0.127 0.128
 SUM X'S = 103.021 102.299 104.532
 SUM X*X = 76.729 75.012 77.737
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/900 20/ 60 20/ 60
 NUMBER FAILED = 11
 NUMBER BORDERLINE= 116
 NUMBER PASSED = 18

DATA FOR NEAR VA--O.U., O.S., O.U.

NUMBER = 143 144 145
 MEAN = 0.684 0.687 0.685
 STD. DEV.= 0.085 0.087 0.083
 SUM X'S = 97.832 98.998 99.332
 SUM X*X = 67.972 69.166 69.055
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 40 20/ 40 20/ 40
 NUMBER FAILED = 3
 NUMBER BORDERLINE= 133
 NUMBER PASSED = 9

DATA FOR STEREOPSIS

NUMBER FAILED = 8
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 133

DATA FOR COLOR VISION

NUMBER FAILED = 1
 NUMBER BORDERLINE= 1
 NUMBER PASSED = 39

DATA FOR DISTANCE ROCK

NUMBER = 0
 MEAN = 9999.000
 STD. DEV.= 0.000
 SUM X'S = 0.000
 SUM X*X = 0.000
 MAXIMUM = -1000
 MINIMUM = 1000
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 0

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	143	143	143
MEAN	=	2.111	3.398	1.457
STD. DEV.	=	1.815	2.295	1.582
SUM X'S	=	302.000	486.000	208.429
SUM X*X	=	1106.000	2400.000	659.456
MAXIMUM	=	16	18	14.222
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	6		
NUMBER BORDERLINE	=	14		
NUMBER PASSED	=	123		

DATA FOR FAR COVER TEST, PHORIAS

	ESO	EXO	VERTICAL	
NUMBER	=	5	35	0
MEAN	=	2.799	3.199	9999.000
STD. DEV.	=	2.949	2.180	0.000
SUM X'S	=	14.000	112.000	0.000
SUM X*X	=	74.000	520.000	0.000
MAXIMUM	=	8	10	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL	
NUMBER	=	2	1	1
MEAN	=	5.000	8.000	5.000
STD. DEV.	=	1.414	0.000	0.000
SUM X'S	=	10.000	8.000	5.000
SUM X*X	=	52.000	64.000	25.000
MAXIMUM	=	6	8	5
MINIMUM	=	4	8	5

NUMBER SHOWING ORTHOPHORIA= 101

FOR FAR COVER TEST DATA

NUMBER FAILED	=	12
NUMBER BORDERLINE	=	4
NUMBER PASSED	=	129

DATA FOR NEAR COVER TEST, PHORIAS

	ESO	EXO	VERTICAL	
NUMBER	=	12	70	0
MEAN	=	4.166	4.514	9999.000
STD. DEV.	=	1.749	2.630	0.000
SUM X'S	=	50.000	316.000	0.000
SUM X*X	=	242.000	1904.000	0.000
MAXIMUM	=	8	14	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	2	2	1
MEAN =	10.000	8.000	5.000
STD. DEV.=	2.828	2.828	0.000
SUM X'S =	20.000	16.000	5.000
SUM X*X =	208.000	136.000	25.000
MAXIMUM =	12	10	5
MINIMUM =	8	6	5

NUMBER SHOWING ORTHOPHORIA= 58

FOR NEAR COVER TEST DATA

NUMBER FAILED = 15
 NUMBER BORDERLINE= 9
 NUMBER PASSED = 121

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 7
 NUMBER BORDERLINE= 21
 NUMBER PASSED = 117

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 26
 NUMBER PASSED = 115

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	142	143
MEAN =	-0.874	-0.901
STD. DEV.=	0.461	0.464
SUM X'S =	-124.230	-128.859
SUM X*X =	138.770	146.768
MAXIMUM =	0.250	0.000
MINIMUM =	-2.500	-2.500
NUMBER FAILED =	10	13
NUMBER BORDERLINE=	27	25
NUMBER PASSED =	105	105

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	144	144
MEAN =	0.639	0.889
STD. DEV.=	2.237	0.728
SUM X'S =	92.125	128.125
SUM X*X =	774.546	189.984
MAXIMUM =	2.500	4.000
MINIMUM =	-25.000	-0.750

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 25 35
 NUMBER BORDERLINE= 31 22
 NUMBER PASSED = 88 87

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 10 6
 NUMBER BORDERLINE= 5 3
 NUMBER PASSED = 129 135

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 6
 NUMBER BORDERLINE= 8
 NUMBER PASSED = 130

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	8	1
NUMBER BORDERLINE=	0	4	1
NUMBER PASSED =	144	132	142

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	0	0
MEAN =	9999.000	9999.000
STD. DEV.=	0.000	0.000
SUM X'S =	0.000	0.000
SUM X*X =	0.000	0.000
MAXIMUM =	-1000	-1000
MINIMUM =	1000	1000

Giris
3-1

NUMBER OF GIRLS IN SAMPLE= 106
NUMBER OF BOYS IN SAMPLE= 0
GRADE K 1 2 3 4 5 6 SP
NUMBER 0 106 0 0 0 0 0 0

DATA FOR FAR VA--O.D., O.S., O.U.
NUMBER = 106 106 106
MEAN = 0.897 0.898 0.913
STD. DEV.= 0.169 0.169 0.155
SUM X'S = 95.116 95.283 96.783
SUM X*X = 88.357 88.672 90.922
MAXIMUM = 20/ 15 20/ 15 20/ 15
MINIMUM = 20/ 80 20/ 80 20/ 80
NUMBER FAILED = 8
NUMBER BORDERLINE= 36
NUMBER PASSED = 62

DATA FOR NEAR VA--O.D., O.S., O.U.
NUMBER = 94 94 94
MEAN = 0.764 0.766 0.801
STD. DEV.= 0.194 0.194 0.166
SUM X'S = 71.835 72.049 75.332
SUM X*X = 58.422 58.757 63.611
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 80 20/ 80 20/ 60
NUMBER FAILED = 14
NUMBER BORDERLINE= 47
NUMBER PASSED = 33

DATA FOR STEREOPSIS
NUMBER FAILED = 1
NUMBER BORDERLINE= 10
NUMBER PASSED = 92

DATA FOR COLOR VISION
NUMBER FAILED = 0
NUMBER BORDERLINE= 2
NUMBER PASSED = 23

DATA FOR DISTANCE ROCK
NUMBER = 37
MEAN = 14.484
STD. DEV.= 4.031
SUM X'S = 535.944
SUM X*X = 8348.227
MAXIMUM = 24
MINIMUM = 8
NUMBER FAILED = 7
NUMBER BORDERLINE= 27
NUMBER PASSED = 3

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	104	104	104
MEAN	=	2.182	3.442	1.580
STD. DEV.	=	2.121	2.523	2.098
SUM X'S	=	227.000	358.000	164.405
SUM X*X	=	959.000	1888.000	713.365
MAXIMUM	=	20	20	20.000
MINIMUM	=	1	1	0.250
NUMBER FAILED	=	4		
NUMBER BORDERLINE	=	12		
NUMBER PASSED	=	88		

DATA FOR FAR COVER TEST, PHORIAS

	ESO	EXO	VERTICAL	
NUMBER	=	13	23	0
MEAN	=	1.846	2.695	9999.000
STD. DEV.	=	0.800	1.222	0.000
SUM X'S	=	24.000	62.000	0.000
SUM X*X	=	52.000	200.000	0.000
MAXIMUM	=	3	6	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL	
NUMBER	=	2	1	0
MEAN	=	20.000	3.000	9999.000
STD. DEV.	=	14.142	0.000	0.000
SUM X'S	=	40.000	3.000	0.000
SUM X*X	=	1000.000	9.000	0.000
MAXIMUM	=	30	3	-1000
MINIMUM	=	10	3	1000

NUMBER SHOWING ORTHOPHORIA= 66

FOR FAR COVER TEST DATA

NUMBER FAILED	=	4
NUMBER BORDERLINE	=	4
NUMBER PASSED	=	97

DATA FOR NEAR COVER TEST, PHORIAS

	ESO	EXO	VERTICAL	
NUMBER	=	23	37	0
MEAN	=	3.391	4.000	9999.000
STD. DEV.	=	1.971	2.505	0.000
SUM X'S	=	78.000	148.000	0.000
SUM X*X	=	350.000	818.000	0.000
MAXIMUM	=	9	13	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXO	VERTICAL
NUMBER =	2	1	0
MEAN =	22.500	3.000	9999.000
STD. DEV.=	10.606	0.000	0.000
SUM X'S =	45.000	3.000	0.000
SUM X*X =	1125.000	9.000	0.000
MAXIMUM =	30	3	-1000
MINIMUM =	15	3	1000

NUMBER SHOWING ORTHOPHORIA= 43

FOR NEAR COVER TEST DATA

NUMBER FAILED =	9
NUMBER BORDERLINE=	17
NUMBER PASSED =	80

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	4
NUMBER BORDERLINE=	24
NUMBER PASSED =	76

DATA FOR NEAR-FAK FIXATION EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	14
NUMBER PASSED =	89

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	106	106
MEAN =	-0.824	-0.820
STD. DEV.=	0.418	0.494
SUM X'S =	-87.429	-86.929
SUM X*X =	90.474	96.974
MAXIMUM =	0.250	1.000
MINIMUM =	-1.750	-2.250
NUMBER FAILED =	4	6
NUMBER BORDERLINE=	18	16
NUMBER PASSED =	84	84

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	106	106
MEAN =	0.709	0.698
STD. DEV.=	0.661	0.670
SUM X'S =	75.250	74.000
SUM X*X =	99.312	98.675
MAXIMUM =	4.000	4.000
MINIMUM =	-0.750	-1.000

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 16 18
 NUMBER BORDERLINE= 6 6
 NUMBER PASSED = 84 82
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 1 1
 NUMBER BORDERLINE= 1 2
 NUMBER PASSED = 104 103
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 4
 NUMBER PASSED = 102

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	1	1
NUMBER BORDERLINE=	1	2	7
NUMBER PASSED =	105	103	96

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	0	0
MEAN =	9999.000	9999.000
STD. DEV.=	0.000	0.000
SUM X'S =	0.000	0.000
SUM X*X =	0.000	0.000
MAXIMUM =	-1000	-1000
MINIMUM =	1000	1000

6
6-2

NUMBER OF GIRLS IN SAMPLE=	123							
NUMBER OF BOYS IN SAMPLE=	0							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	123	0	0	0	0	0

DATA FOR FAR VA--0.D., 0.S., 0.U.

NUMBER	=	123	123	123
MEAN	=	0.915	0.928	0.941
STD. DEV.	=	0.202	0.183	0.175
SUM X'S	=	112.635	114.199	115.802
SUM X*X	=	108.134	110.141	112.797
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/200	20/ 80	20/ 80
NUMBER FAILED	=	7		
NUMBER BORDERLINE	=	33		
NUMBER PASSED	=	83		

DATA FOR NEAR VA--0.D., 0.S., 0.U.

NUMBER	=	122	122	122
MEAN	=	0.870	0.878	0.897
STD. DEV.	=	0.191	0.179	0.166
SUM X'S	=	106.251	107.133	109.499
SUM X*X	=	96.965	97.973	101.638
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 99	20/ 60	20/ 60
NUMBER FAILED	=	9		
NUMBER BORDERLINE	=	36		
NUMBER PASSED	=	77		

DATA FOR STEREOPSIS

NUMBER FAILED	=	3
NUMBER BORDERLINE	=	2
NUMBER PASSED	=	116

DATA FOR COLOR VISION

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	3
NUMBER PASSED	=	56

DATA FOR DISTANCE ROCK

NUMBER	=	32
MEAN	=	18.872
STD. DEV.	=	3.783
SUM X'S	=	603.910
SUM X*X	=	11840.903
MAXIMUM	=	29
MINIMUM	=	12
NUMBER FAILED	=	3
NUMBER BORDERLINE	=	24
NUMBER PASSED	=	8

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	121	121	121
MEAN	=	2.099	3.801	1.346
STD. DEV.	=	2.146	2.794	1.838
SUM X'S	=	254.000	460.000	162.972
SUM X*X	=	1086.000	2686.000	625.258
MAXIMUM	=	15	18	12.500
MINIMUM	=	1	1	0.125
NUMBER FAILED	=	11		
NUMBER BORDERLINE	=	4		
NUMBER PASSED	=	106		

DATA FOR FAR COVER TEST, PHORIAS

	ESO	EXO	VERTICAL	
NUMBER	=	9	26	0
MEAN	=	2.000	3.346	9999.000
STD. DEV.	=	0.866	2.226	0.000
SUM X'S	=	18.000	87.000	0.000
SUM X*X	=	42.000	415.000	0.000
MAXIMUM	=	4	10	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL	
NUMBER	=	2	0	0
MEAN	=	10.500	9999.000	9999.000
STD. DEV.	=	6.363	0.000	0.000
SUM X'S	=	21.000	0.000	0.000
SUM X*X	=	261.000	0.000	0.000
MAXIMUM	=	15	-1000	-1000
MINIMUM	=	6	1000	1000

NUMBER SHOWING ORTHOPHORIA= 86

FOR FAR COVER TEST DATA

NUMBER FAILED	=	5
NUMBER BORDERLINE	=	6
NUMBER PASSED	=	112

DATA FOR NEAR COVER TEST, PHORIAS

	ESO	EXO	VERTICAL	
NUMBER	=	24	51	0
MEAN	=	3.291	4.294	9999.000
STD. DEV.	=	1.680	2.787	0.000
SUM X'S	=	79.000	219.000	0.000
SUM X*X	=	325.000	1329.000	0.000
MAXIMUM	=	8	12	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXO	VERTICAL
NUMBER =	2	1	0
MEAN =	12.000	5.000	9999.000
STD. DEV.=	8.485	0.000	0.000
SUM X'S =	24.000	5.000	0.000
SUM X*X =	360.000	25.000	0.000
MAXIMUM =	18	5	-1000
MINIMUM =	6	5	1000

NUMBER SHOWING ORTHOPHORIA= 45

FOR NEAR COVER TEST DATA

NUMBER FAILED = 11
 NUMBER BORDERLINE= 20
 NUMBER PASSED = 92

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 13
 NUMBER PASSED = 108

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 12
 NUMBER PASSED = 107

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	121	122
MEAN =	-0.768	-0.787
STD. DEV.=	0.390	0.394
SUM X'S =	-92.979	-96.099
SUM X*X =	89.717	94.536
MAXIMUM =	0.000	0.000
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	4	4
NUMBER BORDERLINE=	14	18
NUMBER PASSED =	103	100

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	122	122
MEAN =	0.590	0.490
STD. DEV.=	0.809	0.728
SUM X'S =	72.016	59.789
SUM X*X =	121.818	93.582
MAXIMUM =	5.000	4.000
MINIMUM =	-1.250	-1.750

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 16 16
 NUMBER BORDERLINE= 11 8
 NUMBER PASSED = 95 98
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 4 5
 NUMBER BORDERLINE= 2 3
 NUMBER PASSED = 116 114
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 3
 NUMBER BORDERLINE= 8
 NUMBER PASSED = 111

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	4	0
NUMBER BORDERLINE=	1	1	3
NUMBER PASSED =	121	118	120

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	0	0
MEAN =	9999.000	9999.000
STD. DEV.=	0.000	0.000
SUM X'S =	0.000	0.000
SUM X*X =	0.000	0.000
MAXIMUM =	-1000	-1000
MINIMUM =	1000	1000

NUMBER OF GIRLS IN SAMPLE= 114
 NUMBER OF BOYS IN SAMPLE= 0
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 114 0 0 0 0

DATA FOR FAR VA--0.D., 0.S., 0.U.
 NUMBER = 114 114 114
 MEAN = 0.897 0.883 0.904
 STD. DEV.= 0.170 0.181 0.164
 SUM X'S = 102.349 100.749 103.083
 SUM X*X = 95.174 92.770 96.270
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 60 20/ 80 20/ 80
 NUMBER FAILED = 9
 NUMBER BORDERLINE= 36
 NUMBER PASSED = 69

DATA FOR NEAR VA--0.D., 0.S., 0.U.
 NUMBER = 105 105 105
 MEAN = 0.887 0.867 0.891
 STD. DEV.= 0.161 0.176 0.162
 SUM X'S = 93.166 91.083 93.566
 SUM X*X = 85.394 82.234 86.114
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 40 20/ 80 20/ 40
 NUMBER FAILED = 4
 NUMBER BORDERLINE= 37
 NUMBER PASSED = 64

DATA FOR STEREOPSIS
 NUMBER FAILED = 1
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 109

DATA FOR COLOR VISION
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 27

DATA FOR DISTANCE ROCK
 NUMBER = 41
 MEAN = 18.636
 STD. DEV.= 4.345
 SUM X'S = 764.114
 SUM X*X = 14995.926
 MAXIMUM = 25
 MINIMUM = 9
 NUMBER FAILED = 3
 NUMBER BORDERLINE= 23
 NUMBER PASSED = 15

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	111	111	111
MEAN	=	2.180	3.468	1.566
STD. DEV.	=	2.512	2.956	2.329
SUM X'S	=	242.000	385.000	173.881
SUM X*X	=	1222.000	2297.000	869.529
MAXIMUM	=	20	20	20.000
MINIMUM	=	1	1	0.166
NUMBER FAILED	=	6		
NUMBER BORDERLINE	=	10		
NUMBER PASSED	=	95		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	8	21	0
MEAN	=	2.500	2.428	9999.000
STD. DEV.	=	1.414	0.978	0.000
SUM X'S	=	20.000	51.000	0.000
SUM X*X	=	64.000	143.000	0.000
MAXIMUM	=	5	4	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	1	1	0
MEAN	=	15.000	25.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	15.000	25.000	0.000
SUM X*X	=	225.000	625.000	0.000
MAXIMUM	=	15	25	-1000
MINIMUM	=	15	25	1000

NUMBER SHOWING ORTHOPHORIA= 82

FOR FAR COVER TEST DATA

NUMBER FAILED	=	3
NUMBER BORDERLINE	=	5
NUMBER PASSED	=	105

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	25	51	0
MEAN	=	3.879	4.000	9999.000
STD. DEV.	=	3.677	2.821	0.000
SUM X'S	=	97.000	204.000	0.000
SUM X*X	=	701.000	1214.000	0.000
MAXIMUM	=	15	15	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ES0	EXO	VERTICAL
NUMBER =	2	1	0
MEAN =	16.000	25.000	9999.000
STD. DEV.=	5.656	0.000	0.000
SUM X'S =	32.000	25.000	0.000
SUM X*X =	544.000	625.000	0.000
MAXIMUM =	20	25	-1000
MINIMUM =	12	25	1000

NUMBER SHOWING ORTHOPHORIA= 34

FOR NEAR COVER TEST DATA

NUMBER FAILED =	10
NUMBER BORDERLINE=	16
NUMBER PASSED =	87

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	7
NUMBER PASSED =	106

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	3
NUMBER BORDERLINE=	4
NUMBER PASSED =	107

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	112	112
MEAN =	-0.760	-0.767
STD. DEV.=	0.472	0.475
SUM X'S =	-85.229	-85.979
SUM X*X =	89.590	91.152
MAXIMUM =	0.500	0.500
MINIMUM =	-2.250	-2.250
NUMBER FAILED =	6	6
NUMBER BORDERLINE=	15	14
NUMBER PASSED =	91	92

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	114	114
MEAN =	0.496	0.538
STD. DEV.=	0.650	0.636
SUM X'S =	56.617	61.370
SUM X*X =	76.008	78.830
MAXIMUM =	2.500	3.000
MINIMUM =	-1.250	-0.750

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED	=	19	15
NUMBER BORDERLINE	=	6	9
NUMBER PASSED	=	89	90

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED	=	2	1
NUMBER BORDERLINE	=	0	1
NUMBER PASSED	=	112	112

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	2
NUMBER PASSED	=	111

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 0	0	0
NUMBER BORDERLINE	= 1	3	2
NUMBER PASSED	= 113	111	112

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 67	66
MEAN	= 52.149	49.590
STD. DEV.	= 8.440	9.827
SUM X'S	= 3494.000	3273.000
SUM X*X	= 186912.000	168589.050
MAXIMUM	= 69	67
MINIMUM	= 33	32

NUMBER OF GIRLS IN SAMPLE= 152
 NUMBER OF BOYS IN SAMPLE= 0
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 0 152 0 0 0

DATA FOR FAR VA--0.D., O.S., O.U.

NUMBER = 152 152 152
 MEAN = 0.947 0.941 0.958
 STD. DEV.= 0.170 0.177 0.161
 SUM X'S = 144.049 143.082 145.749
 SUM X*X = 140.891 139.445 143.685
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 80 20/ 80 20/ 80
 NUMBER FAILED = 5
 NUMBER BORDERLINE= 39
 NUMBER PASSED = 108

DATA FOR NEAR VA--0.D., O.S., O.U.

NUMBER = 152 152 152
 MEAN = 0.905 0.914 0.927
 STD. DEV.= 0.173 0.162 0.151
 SUM X'S = 137.562 138.999 140.999
 SUM X*X = 129.052 131.111 134.277
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 87 20/ 60 20/ 60
 NUMBER FAILED = 9
 NUMBER BORDERLINE= 33
 NUMBER PASSED = 110

DATA FOR STEREOPSIS

NUMBER FAILED = 3
 NUMBER BORDERLINE= 4
 NUMBER PASSED = 145

DATA FOR COLOR VISION

NUMBER FAILED = 2
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 47

DATA FOR DISTANCE ROCK

NUMBER = 72
 MEAN = 21.763
 STD. DEV.= 4.661
 SUM X'S = 1566.961
 SUM X*X = 35645.055
 MAXIMUM = 38
 MINIMUM = 11
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 32
 NUMBER PASSED = 40

DATA FOR NEAR POINT OF CONVERGENCE--BREAK, RECOVERY, AND RATIO

NUMBER	=	149	149	149
MEAN	=	2.416	4.013	1.622
STD. DEV.	=	1.881	2.399	1.746
SUM X'S	=	360.000	598.000	241.790
SUM X*X	=	1394.000	3252.000	843.578
MAXIMUM	=	12	14	11.076
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	10		
NUMBER BORDERLINE	=	20		
NUMBER PASSED	=	119		

DATA FOR FAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	9	25	0
MEAN	=	3.666	2.759	9999.000
STD. DEV.	=	2.738	2.087	0.000
SUM X'S	=	33.000	69.000	0.000
SUM X*X	=	181.000	295.000	0.000
MAXIMUM	=	10	11	-1000
MINIMUM	=	2	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESU	EXO	VERTICAL
NUMBER	=	1	0	0
MEAN	=	8.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	8.000	0.000	0.000
SUM X*X	=	64.000	0.000	0.000
MAXIMUM	=	8	-1000	-1000
MINIMUM	=	8	1000	1000

NUMBER SHOWING ORTHOPHORIA= 115

FOR FAR COVER TEST DATA

NUMBER FAILED	=	5
NUMBER BORDERLINE	=	4
NUMBER PASSED	=	141

DATA FOR NEAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	26	62	0
MEAN	=	4.000	4.048	9999.000
STD. DEV.	=	2.812	1.919	0.000
SUM X'S	=	92.000	251.000	0.000
SUM X*X	=	542.000	1241.000	0.000
MAXIMUM	=	14	11	-1000
MINIMUM	=	1	2	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESC	EXO	VERTICAL
NUMBER =	2	1	0
MEAN =	6.500	10.000	9999.000
STD. DEV.=	2.121	0.000	0.000
SUM X'S =	13.000	10.000	0.000
SUM X*X =	89.000	100.000	0.000
MAXIMUM =	8	10	-1000
MINIMUM =	5	10	1000

NUMBER SHOWING ORTHOPHORIA= 62

FOR NEAR COVER TEST DATA

NUMBER FAILED = 11
 NUMBER BORDERLINE= 15
 NUMBER PASSED = 124

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 15
 NUMBER PASSED = 135

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 12
 NUMBER PASSED = 136

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	152	152
MEAN =	-0.678	-0.718
STD. DEV.=	0.393	0.425
SUM X'S =	-103.069	-109.200
SUM X*X =	93.220	105.833
MAXIMUM =	0.500	0.250
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	1	4
NUMBER BORDERLINE=	12	14
NUMBER PASSED =	139	134

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	152	152
MEAN =	0.511	0.551
STD. DEV.=	0.749	0.769
SUM X'S =	77.760	83.759
SUM X*X =	124.518	135.643
MAXIMUM =	4.000	4.500
MINIMUM =	-1.499	-1.500

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 22 24
 NUMBER BORDERLINE= 15 13
 NUMBER PASSED = 115 115
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 3 4
 NUMBER BORDERLINE= 3 4
 NUMBER PASSED = 146 144
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 5
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 142

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 1	5	1
NUMBER BORDERLINE	= 1	1	7
NUMBER PASSED	= 150	146	144

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 126	125
MEAN	= 52.309	51.847
STD. DEV.	= 8.877	9.527
SUM X'S	= 6591.000	6481.000
SUM X*X	= 354623.010	347283.000
MAXIMUM	= 70	71
MINIMUM	= 33	32

NUMBER OF GIRLS IN SAMPLE= 133
 NUMBER OF BOYS IN SAMPLE= 0
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 0 0 133 0 0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER = 133 133 133
 MEAN = 0.960 0.967 0.991
 STD. DEV.= 0.182 0.195 0.177
 SUM X'S = 127.799 128.666 131.866
 SUM X*X = 127.219 129.533 134.888
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 50 20/ 60 20/ 50
 NUMBER FAILED = 8
 NUMBER BORDERLINE= 23
 NUMBER PASSED = 102

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER = 133 133 133
 MEAN = 0.934 0.932 0.944
 STD. DEV.= 0.140 0.151 0.134
 SUM X'S = 124.266 123.966 125.666
 SUM X*X = 118.724 118.556 121.111
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 40 20/ 60 20/ 40
 NUMBER FAILED = 6
 NUMBER BORDERLINE= 25
 NUMBER PASSED = 102

DATA FOR STEREOPSIS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 8
 NUMBER PASSED = 121

DATA FOR COLOR VISION

NUMBER FAILED = 0
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 45

DATA FOR DISTANCE ROCK

NUMBER = 51
 MEAN = 24.268
 STD. DEV.= 4.536
 SUM X'S = 1237.682
 SUM X*X = 31065.648
 MAXIMUM = 33
 MINIMUM = 14
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 13
 NUMBER PASSED = 38

DATA FOR NEAR POINT OF CONVERGENCE--BREAK, RECOVERY, AND RATIO

NUMBER	=	133	133	133
MEAN	=	2.203	3.691	1.520
STD. DEV.	=	1.402	2.015	1.237
SUM X'S	=	293.000	491.000	202.195
SUM X*X	=	905.000	2349.000	509.524
MAXIMUM	=	7	11	6.125
MINIMUM	=	1	1	0.090
NUMBER FAILED	=	5		
NUMBER BORDERLINE	=	20		
NUMBER PASSED	=	108		

DATA FOR FAR COVER TEST, PHORIAS

	ESO	EXO	VERTICAL	
NUMBER	=	5	32	0
MEAN	=	2.000	3.343	9999.000
STD. DEV.	=	1.000	4.052	0.000
SUM X'S	=	10.000	107.000	0.000
SUM X*X	=	24.000	867.000	0.000
MAXIMUM	=	3	25	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL	
NUMBER	=	2	1	0
MEAN	=	19.000	15.000	9999.000
STD. DEV.	=	6.485	0.000	0.000
SUM X'S	=	38.000	15.000	0.000
SUM X*X	=	794.000	225.000	0.000
MAXIMUM	=	25	15	-1000
MINIMUM	=	13	15	1000

NUMBER SHOWING ORTHOPHORIA= 92

FOR FAR COVER TEST DATA

NUMBER FAILED	=	4
NUMBER BORDERLINE	=	6
NUMBER PASSED	=	122

DATA FOR NEAR COVER TEST, PHORIAS

	ESO	EXO	VERTICAL	
NUMBER	=	20	65	0
MEAN	=	3.750	4.507	9999.000
STD. DEV.	=	1.743	3.623	0.000
SUM X'S	=	75.000	293.000	0.000
SUM X*X	=	339.000	2161.000	0.000
MAXIMUM	=	8	25	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPICAS

	ESO	EXO	VERTICAL
NUMBER =	2	2	0
MEAN =	26.000	9.000	9999.000
STD. DEV.=	12.727	1.414	0.000
SUM X'S =	52.000	18.000	0.000
SUM X*X =	1514.000	164.000	0.000
MAXIMUM =	35	10	-1000
MINIMUM =	17	8	1000

NUMBER SHOWING ORTHOPHORIA= 43

FOR NEAR COVER TEST DATA

NUMBER FAILED = 11
 NUMBER BORDERLINE= 17
 NUMBER PASSED = 104

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 10
 NUMBER PASSED = 120

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 3
 NUMBER BORDERLINE= 8
 NUMBER PASSED = 121

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	131	131
MEAN =	-0.775	-0.783
STD. DEV.=	0.491	0.489
SUM X'S =	-101.559	-102.689
SUM X*X =	110.137	111.690
MAXIMUM =	0.500	0.500
MINIMUM =	-2.250	-2.250
NUMBER FAILED =	4	5
NUMBER BORDERLINE=	22	21
NUMBER PASSED =	105	105

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	133	133
MEAN =	0.426	0.476
STD. DEV.=	0.654	0.612
SUM X'S =	56.715	63.370
SUM X*X =	80.729	79.744
MAXIMUM =	4.500	2.000
MINIMUM =	-1.500	-1.500

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 15 18
 NUMBER BORDERLINE = 6 7
 NUMBER PASSED = 112 108
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 1 1
 NUMBER BORDERLINE = 4 4
 NUMBER PASSED = 128 128
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 5
 NUMBER BORDERLINE = 3
 NUMBER PASSED = 125

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	3	0
NUMBER BORDERLINE =	2	1	3
NUMBER PASSED =	131	129	130

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	119	118
MEAN =	49.873	49.576
STD. DEV. =	8.594	10.325
SUM X'S =	5935.000	5850.000
SUM X*X =	304719.030	302496.010
MAXIMUM =	68	69
MINIMUM =	27	28

NUMBER OF GIRLS IN SAMPLE=	146							
NUMBER OF BOYS IN SAMPLE=	0							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	0	0	0	146	0

DATA FOR FAR VA--0.D., 0.S., 0.U.

NUMBER	=	146	146	146
MEAN	=	0.942	0.948	0.972
STD. DEV.=		0.183	0.185	0.157
SUM X'S	=	137.652	138.452	141.966
SUM X*X	=	134.642	136.260	141.636
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/ 70	20/ 70	20/ 50
NUMBER FAILED	=	11		
NUMBER BORDERLINE=		26		
NUMBER PASSED	=	109		

DATA FOR NEAR VA--0.D., 0.S., 0.U.

NUMBER	=	146	146	146
MEAN	=	0.899	0.907	0.909
STD. DEV.=		0.166	0.161	0.157
SUM X'S	=	131.266	132.433	132.766
SUM X*X	=	122.057	123.918	124.307
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 40	20/ 40	20/ 40
NUMBER FAILED	=	9		
NUMBER BORDERLINE=		32		
NUMBER PASSED	=	105		

DATA FOR STEREOPSIS

NUMBER FAILED	=	3
NUMBER BORDERLINE=		5
NUMBER PASSED	=	138

DATA FOR COLOR VISION

NUMBER FAILED	=	1
NUMBER BORDERLINE=		0
NUMBER PASSED	=	42

DATA FOR DISTANCE ROCK

NUMBER	=	82
MEAN	=	26.143
STD. DEV.=		6.096
SUM X'S	=	2143.735
SUM X*X	=	59054.774
MAXIMUM	=	48
MINIMUM	=	14
NUMBER FAILED	=	0
NUMBER BORDERLINE=		17
NUMBER PASSED	=	65

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	143	143	143
MEAN	=	2.090	3.776	1.355
STD. DEV.	=	1.423	2.063	1.284
SUM X'S	=	299.000	540.000	193.810
SUM X*X	=	913.000	2644.000	496.959
MAXIMUM	=	12	13	11.076
MINIMUM	=	1	1	0.125
NUMBER FAILED	=	7		
NUMBER BORDERLINE	=	18		
NUMBER PASSED	=	118		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	18	31	0
MEAN	=	3.500	2.838	9999.000
STD. DEV.	=	3.258	2.757	0.000
SUM X'S	=	63.000	88.000	0.000
SUM X*X	=	401.000	478.000	0.000
MAXIMUM	=	14	15	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	1	2	0
MEAN	=	4.000	16.000	9999.000
STD. DEV.	=	0.000	5.656	0.000
SUM X'S	=	4.000	32.000	0.000
SUM X*X	=	16.000	544.000	0.000
MAXIMUM	=	4	20	-1000
MINIMUM	=	4	12	1000

NUMBER SHOWING ORTHOPHORIA= 94

FOR FAR COVER TEST DATA

NUMBER FAILED = 9
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 134

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	29	59	0
MEAN	=	3.551	4.406	9999.000
STD. DEV.	=	2.097	3.157	0.000
SUM X'S	=	103.000	260.000	0.000
SUM X*X	=	489.000	1724.000	0.000
MAXIMUM	=	10	15	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	1	2	0
MEAN =	10.000	11.000	9999.000
STD. DEV.=	0.000	1.414	0.000
SUM X'S =	10.000	22.000	0.000
SUM X*X =	100.000	244.000	0.000
MAXIMUM =	10	12	-1000
MINIMUM =	10	10	1000

NUMBER SHOWING ORTHOPHORIA= 55

FOR NEAR COVER TEST DATA

NUMBER FAILED = 15
 NUMBER BORDERLINE= 19
 NUMBER PASSED = 112

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 9
 NUMBER PASSED = 135

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 9
 NUMBER PASSED = 135

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	146	146
MEAN =	-0.709	-0.672
STD. DEV.=	0.429	0.377
SUM X'S =	-103.649	-98.159
SUM X*X =	100.370	86.674
MAXIMUM =	0.000	0.000
MINIMUM =	-2.250	-1.750
NUMBER FAILED =	8	4
NUMBER BORDERLINE=	10	11
NUMBER PASSED =	128	131

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	145	145
MEAN =	0.315	0.316
STD. DEV.=	0.640	0.629
SUM X'S =	45.813	45.895
SUM X*X =	73.548	71.643
MAXIMUM =	2.250	2.000
MINIMUM =	-1.250	-1.500

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 21 26
 NUMBER BORDERLINE= 12 7
 NUMBER PASSED = 112 112
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 3 1
 NUMBER BORDERLINE= 3 2
 NUMBER PASSED = 139 142
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 4
 NUMBER BORDERLINE= 6
 NUMBER PASSED = 135

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	1	6	1
NUMBER BORDERLINE=	2	3	8
NUMBER PASSED =	143	137	137

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	123	124
MEAN =	50.723	49.725
STD. DEV.=	9.129	8.960
SUM X'S =	6239.000	6166.000
SUM X*X =	326633.030	316484.030
MAXIMUM =	69	75
MINIMUM =	28	30

Girls

NUMBER OF GIRLS IN SAMPLE= 10
NUMBER OF BOYS IN SAMPLE= 0
GRADE K 1 2 3 4 5 6 SP
NUMBER 0 0 0 0 0 0 0 10

DATA FOR FAR VA--O.D., O.S., O.U.
NUMBER = 10 10 10
MEAN = 0.846 0.823 0.879
STD. DEV.= 0.166 0.176 0.159
SUM X'S = 8.466 8.233 8.799
SUM X*X = 7.417 7.058 7.973
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 30 20/ 40 20/ 30
NUMBER FAILED = 1
NUMBER BORDERLINE= 5
NUMBER PASSED = 4

DATA FOR NEAR VA--O.D., O.S., O.U.
NUMBER = 10 10 10
MEAN = 0.799 0.783 0.813
STD. DEV.= 0.172 0.193 0.165
SUM X'S = 7.999 7.833 8.133
SUM X*X = 6.666 6.472 6.862
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 30 20/ 40 20/ 30
NUMBER FAILED = 1
NUMBER BORDERLINE= 5
NUMBER PASSED = 4

DATA FOR STEREOPSIS
NUMBER FAILED = 0
NUMBER BORDERLINE= 0
NUMBER PASSED = 10

DATA FOR COLOR VISION
NUMBER FAILED = 1
NUMBER BORDERLINE= 0
NUMBER PASSED = 7

DATA FOR DISTANCE ROCK
NUMBER = 0
MEAN = 9999.000
STD. DEV.= 0.000
SUM X'S = 0.000
SUM X*X = 0.000
MAXIMUM = -1000
MINIMUM = 1000
NUMBER FAILED = 0
NUMBER BORDERLINE= 0
NUMBER PASSED = 0

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	10	10	10
MEAN	=	6.200	7.400	5.415
STD. DEV.	=	9.472	9.143	9.730
SUM X'S	=	62.000	74.000	54.152
SUM X*X	=	1192.000	1300.000	1145.325
MAXIMUM	=	33	33	33.000
MINIMUM	=	1	1	1.000
NUMBER FAILED	=	1		
NUMBER BORDERLINE	=	3		
NUMBER PASSED	=	6		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	1	3	0
MEAN	=	2.000	2.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	2.000	6.000	0.000
SUM X*X	=	4.000	12.000	0.000
MAXIMUM	=	2	2	-1000
MINIMUM	=	2	2	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EX0	VERTICAL
NUMBER	=	0	0	0
MEAN	=	9999.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	0.000	0.000	0.000
SUM X*X	=	0.000	0.000	0.000
MAXIMUM	=	-1000	-1000	-1000
MINIMUM	=	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 6

FOR FAR COVER TEST DATA

NUMBER FAILED	=	0
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	10

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	1	7	0
MEAN	=	4.000	7.000	9999.000
STD. DEV.	=	0.000	5.259	0.000
SUM X'S	=	4.000	49.000	0.000
SUM X*X	=	16.000	509.000	0.000
MAXIMUM	=	4	15	-1000
MINIMUM	=	4	2	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	0	0	0
MEAN =	9999.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	0.000	0.000	0.000
SUM X*X =	0.000	0.000	0.000
MAXIMUM =	-1000	-1000	-1000
MINIMUM =	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 2

FOR NEAR COVER TEST DATA

NUMBER FAILED =	3
NUMBER BORDERLINE=	1
NUMBER PASSED =	6

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	0
NUMBER BORDERLINE=	3
NUMBER PASSED =	7

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	0
NUMBER BORDERLINE=	1
NUMBER PASSED =	9

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	10	10
MEAN =	-0.636	-0.636
STD. DEV.=	0.302	0.302
SUM X'S =	-6.370	-6.370
SUM X*X =	4.881	4.881
MAXIMUM =	0.000	0.000
MINIMUM =	-1.000	-1.000
NUMBER FAILED =	0	0
NUMBER BORDERLINE=	0	0
NUMBER PASSED =	10	10

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	10	10
MEAN =	0.452	0.474
STD. DEV.=	0.327	0.362
SUM X'S =	4.522	4.750
SUM X*X =	3.011	3.437
MAXIMUM =	1.000	1.250
MINIMUM =	0.000	0.000

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 1 1
 NUMBER BORDERLINE = 0 0
 NUMBER PASSED = 9 9
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 0 0
 NUMBER BORDERLINE = 1 0
 NUMBER PASSED = 9 10
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 0
 NUMBER BORDERLINE = 0
 NUMBER PASSED = 10

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	0	0
NUMBER BORDERLINE =	0	1	2
NUMBER PASSED =	10	9	8

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	0	0
MEAN =	9999.000	9999.000
STD. DEV. =	0.000	0.000
SUM X'S =	0.000	0.000
SUM X*X =	0.000	0.000
MAXIMUM =	-1000	-1000
MINIMUM =	1000	1000

Total Sample
Boys

NUMBER OF GIRLS IN SAMPLE= 0
NUMBER OF BOYS IN SAMPLE= 1020
GRADE K 1 2 3 4 5 6 SP
NUMBER 129 137 136 148 156 140 161 13

DATA FOR FAR VA--O.D., O.S., O.U.
NUMBER = 1018 1019 1019
MEAN = 0.902 0.901 0.917
STD. DEV.= 0.193 0.193 0.182
SUM X'S = 919.014 918.135 935.364
SUM X*X = 867.697 865.540 892.440
MAXIMUM = 20/ 10 20/ 10 20/ 10
MINIMUM = 20/ 80 20/900 20/ 60
NUMBER FAILED = 55
NUMBER BORDERLINE= 362
NUMBER PASSED = 602

DATA FOR NEAR VA--O.D., O.S., O.U.
NUMBER = 983 983 984
MEAN = 0.855 0.853 0.872
STD. DEV.= 0.181 0.180 0.171
SUM X'S = 841.064 838.929 858.722
SUM X*X = 752.044 747.904 778.276
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 90 20/ 90 20/ 90
NUMBER FAILED = 53
NUMBER BORDERLINE= 378
NUMBER PASSED = 553

DATA FOR STEREOPSIS
NUMBER FAILED = 41
NUMBER BORDERLINE= 45
NUMBER PASSED = 930

DATA FOR COLOR VISION
NUMBER FAILED = 61
NUMBER BORDERLINE= 31
NUMBER PASSED = 889

DATA FOR DISTANCE ROCK
NUMBER = 361
MEAN = 21.177
STD. DEV.= 6.362
SUM X'S = 7644.961
SUM X*X = 176469.920
MAXIMUM = 41
MINIMUM = 5
NUMBER FAILED = 17
NUMBER BORDERLINE= 161
NUMBER PASSED = 185

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	997	997	997
MEAN	=	2.160	3.628	1.488
STD. DEV.	=	1.912	2.365	1.777
SUM X'S	=	2154.000	3618.000	1484.042
SUM X*X	=	8296.000	18704.003	5357.050
MAXIMUM	=	16	18	16.000
MINIMUM	=	1	1	0.099
NUMBER FAILED	=	56		
NUMBER BORDERLINE	=	103		
NUMBER PASSED	=	838		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	77	199	1
MEAN	=	3.000	2.698	2.000
STD. DEV.	=	2.224	1.626	0.000
SUM X'S	=	231.000	537.000	2.000
SUM X*X	=	1069.000	1973.000	4.000
MAXIMUM	=	13	12	2
MINIMUM	=	1	1	2

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	15	9	0
MEAN	=	16.200	12.777	9999.000
STD. DEV.	=	8.977	8.135	0.000
SUM X'S	=	243.000	115.000	0.000
SUM X*X	=	5065.000	1999.000	0.000
MAXIMUM	=	35	25	-1000
MINIMUM	=	2	3	1000

NUMBER SHOWING ORTHOPHORIA= 711

FOR FAR COVER TEST DATA

NUMBER FAILED	=	52
NUMBER BORDERLINE	=	29
NUMBER PASSED	=	931

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	138	422	2
MEAN	=	3.557	4.106	2.000
STD. DEV.	=	2.398	2.292	0.000
SUM X'S	=	491.000	1733.000	4.000
SUM X*X	=	2535.000	9329.000	8.000
MAXIMUM	=	17	15	2
MINIMUM	=	1	1	2

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	20	11	0
MEAN =	17.500	12.454	9999.000
STD. DEV.=	7.830	7.160	0.000
SUM X'S =	350.000	137.000	0.000
SUM X*X =	7290.000	2219.000	0.000
MAXIMUM =	35	25	-1000
MINIMUM =	5	3	1000

NUMBER SHOWING ORTHOPHORIA= 418

FOR NEAR COVER TEST DATA

NUMBER FAILED = 77
 NUMBER BORDERLINE= 106
 NUMBER PASSED = 828

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 28
 NUMBER BORDERLINE= 124
 NUMBER PASSED = 867

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 28
 NUMBER BORDERLINE= 116
 NUMBER PASSED = 875

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	1012	1011
MEAN =	-0.774	-0.787
STD. DEV.=	0.446	0.451
SUM X'S =	-784.081	-796.591
SUM X*X =	809.210	833.434
MAXIMUM =	1.500	0.750
MINIMUM =	-2.250	-2.500
NUMBER FAILED =	42	50
NUMBER BORDERLINE=	147	154
NUMBER PASSED =	823	807

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	1016	1016
MEAN =	0.482	0.487
STD. DEV.=	0.605	0.740
SUM X'S =	489.980	495.288
SUM X*X =	608.832	798.092
MAXIMUM =	4.000	4.250
MINIMUM =	-4.000	-13.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 118 108
NUMBER BORDERLINE= 80 91
NUMBER PASSED = 818 817

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 16 20
NUMBER BORDERLINE= 19 25
NUMBER PASSED = 981 971

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 18
NUMBER BORDERLINE= 28
NUMBER PASSED = 970

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 1	22	4
NUMBER BORDERLINE	= 10	21	42
NUMBER PASSED	= 1007	975	972

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 486	483
MEAN	= 50.037	51.310
STD. DEV.	= 10.049	10.167
SUM X'S	= 24316.003	24783.003
SUM X*X	= 1265786.200	1321455.200
MAXIMUM	= 71	75
MINIMUM	= 23	32

NUMBER OF GIRLS IN SAMPLE= 0
 NUMBER OF BOYS IN SAMPLE= 129
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 129 0 0 0 0 0 0 0

DATA FOR FAR VA--0.D., 0.S., 0.U.

NUMBER = 128 128 128
 MEAN = 0.708 0.712 0.722
 STD. DEV.= 0.125 0.120 0.128
 SUM X'S = 90.649 91.165 92.532
 SUM X*X = 66.182 66.760 68.982
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 80 20/ 40 20/ 40
 NUMBER FAILED = 7
 NUMBER BORDERLINE= 107
 NUMBER PASSED = 14

DATA FOR NEAR VA--0.D., 0.S., 0.U.

NUMBER = 128 128 128
 MEAN = 0.679 0.682 0.683
 STD. DEV.= 0.092 0.087 0.085
 SUM X'S = 86.999 87.332 87.499
 SUM X*X = 60.222 60.555 60.749
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 60 20/ 40 20/ 40
 NUMBER FAILED = 6
 NUMBER BORDERLINE= 114
 NUMBER PASSED = 8

DATA FOR STEREOPSIS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 119

DATA FOR COLOR VISION

NUMBER FAILED = 7
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 116

DATA FOR DISTANCE ROCK

NUMBER = 0
 MEAN = 9999.000
 STD. DEV.= 0.000
 SUM X'S = 0.000
 SUM X*X = 0.000
 MAXIMUM = -1000
 MINIMUM = 1000
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 0

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	129	129	129
MEAN	=	2.186	3.511	1.582
STD. DEV.	=	2.448	2.738	2.324
SUM X'S	=	282.000	453.000	204.160
SUM X*X	=	1384.000	2551.000	1014.828
MAXIMUM	=	16	18	15.058
MINIMUM	=	1	1	0.099
NUMBER FAILED	=	8		
NUMBER BORDERLINE	=	11		
NUMBER PASSED	=	110		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	5	9	0
MEAN	=	3.399	3.333	9999.000
STD. DEV.	=	2.792	1.936	0.000
SUM X'S	=	17.000	30.000	0.000
SUM X*X	=	89.000	130.000	0.000
MAXIMUM	=	6	8	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	1	2	0
MEAN	=	15.000	17.000	9999.000
STD. DEV.	=	0.000	11.313	0.000
SUM X'S	=	15.000	34.000	0.000
SUM X*X	=	225.000	706.000	0.000
MAXIMUM	=	15	25	-1000
MINIMUM	=	15	9	1000

NUMBER SHOWING ORTHOPHORIA= 111

FOR FAR COVER TEST DATA

NUMBER FAILED	=	5
NUMBER BORDERLINE	=	2
NUMBER PASSED	=	121

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	7	49	0
MEAN	=	2.857	3.591	9999.000
STD. DEV.	=	1.463	1.881	0.000
SUM X'S	=	20.000	176.000	0.000
SUM X*X	=	70.000	802.000	0.000
MAXIMUM	=	6	8	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXO	VERTICAL
NUMBER =	1	2	0
MEAN =	15.000	18.000	9999.000
STD. DEV.=	0.000	9.899	0.000
SUM X'S =	15.000	36.000	0.000
SUM X*X =	225.000	746.000	0.000
MAXIMUM =	15	25	-1000
MINIMUM =	15	11	1000

NUMBER SHOWING ORTHOPHORIA= 69

FOR NEAR COVER TEST DATA

NUMBER FAILED = 4
 NUMBER BORDERLINE= 6
 NUMBER PASSED = 118

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 24
 NUMBER PASSED = 101

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 3
 NUMBER BORDERLINE= 20
 NUMBER PASSED = 106

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	127	127
MEAN =	-0.883	-0.875
STD. DEV.=	0.461	0.449
SUM X'S =	-112.230	-111.230
SUM X*X =	125.960	122.835
MAXIMUM =	0.250	0.250
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	12	10
NUMBER BORDERLINE=	21	22
NUMBER PASSED =	94	95

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	127	127
MEAN =	0.710	0.724
STD. DEV.=	0.671	0.731
SUM X'S =	90.262	92.057
SUM X*X =	121.026	134.220
MAXIMUM =	3.500	4.250
MINIMUM =	-1.750	-1.750

EVALUATION BASED ON SPHERE POWER
NUMBER FAILED = 25 18
NUMBER BORDERLINE= 18 18
NUMBER PASSED = 84 91
EVALUATION BASED ON ASTIGMATISM
NUMBER FAILED = 6 5
NUMBER BORDERLINE= 3 4
NUMBER PASSED = 118 118
EVALUATION BASED ON ANISOMETROPIA
NUMBER FAILED = 4
NUMBER BORDERLINE= 4
NUMBER PASSED = 119

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	1	1
NUMBER BORDERLINE=	2	4	5
NUMBER PASSED =	125	122	121

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	0	0
MEAN =	9999.000	9999.000
STD. DEV.=	0.000	0.000
SUM X'S =	0.000	0.000
SUM X*X =	0.000	0.000
MAXIMUM =	-1000	-1000
MINIMUM =	1000	1000

NUMBER OF GIRLS IN SAMPLE=	0							
NUMBER OF BOYS IN SAMPLE=	137							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	137	0	0	0	0	0	0

DATA FOR FAR VA--0.U., 0.S., 0.U.

NUMBER	=	137	137	137
MEAN	=	0.900	0.898	0.916
STD. DEV.=		0.163	0.161	0.149
SUM X'S	=	123.351	123.066	125.566
SUM X*X	=	114.719	114.077	118.114
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/ 70	20/ 50	20/ 40
NUMBER FAILED	=	6		
NUMBER BORDERLINE=		53		
NUMBER PASSED	=	78		

DATA FOR NEAR VA--0.D., 0.S., 0.U.

NUMBER	=	122	122	122
MEAN	=	0.787	0.784	0.815
STD. DEV.=		0.196	0.189	0.189
SUM X'S	=	96.055	95.721	99.499
SUM X*X	=	80.299	79.465	85.472
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 90	20/ 90	20/ 60
NUMBER FAILED	=	14		
NUMBER BORDERLINE=		61		
NUMBER PASSED	=	47		

DATA FOR STEREOPSIS

NUMBER FAILED	=	3
NUMBER BORDERLINE=		10
NUMBER PASSED	=	123

DATA FOR COLOR VISION

NUMBER FAILED	=	16
NUMBER BORDERLINE=		5
NUMBER PASSED	=	115

DATA FOR DISTANCE ROCK

NUMBER	=	47
MEAN	=	13.899
STD. DEV.=		4.584
SUM X'S	=	653.264
SUM X*X	=	10046.541
MAXIMUM	=	32
MINIMUM	=	5
NUMBER FAILED	=	9
NUMBER BORDERLINE=		36
NUMBER PASSED	=	2

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	133	133	133
MEAN	=	2.300	3.533	1.702
STD. DEV.	=	2.201	2.518	2.046
SUM X'S	=	306.000	470.000	226.376
SUM X*X	=	1344.000	2498.000	938.254
MAXIMUM	=	15	16	14.062
MINIMUM	=	1	1	0.142
NUMBER FAILED	=	6		
NUMBER BORDERLINE	=	16		
NUMBER PASSED	=	111		

DATA FOR FAR COVER TEST, PHORIAS

	ESO	EXO	VERTICAL	
NUMBER	=	12	34	1
MEAN	=	2.750	2.911	2.000
STD. DEV.	=	2.094	1.912	0.000
SUM X'S	=	33.000	99.000	2.000
SUM X*X	=	139.000	403.000	4.000
MAXIMUM	=	8	12	2
MINIMUM	=	1	1	2

DATA FOR FAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL	
NUMBER	=	0	3	0
MEAN	=	9999.000	11.000	9999.000
STD. DEV.	=	0.000	6.928	0.000
SUM X'S	=	0.000	33.000	0.000
SUM X*X	=	0.000	459.000	0.000
MAXIMUM	=	-1000	15	-1000
MINIMUM	=	1000	3	1000

NUMBER SHOWING ORTHOPHORIA= 87

FOR FAR COVER TEST DATA

NUMBER FAILED	=	8
NUMBER BORDERLINE	=	6
NUMBER PASSED	=	123

DATA FOR NEAR COVER TEST, PHORIAS

	ESO	EXO	VERTICAL	
NUMBER	=	20	60	1
MEAN	=	3.199	3.833	2.000
STD. DEV.	=	1.281	1.984	0.000
SUM X'S	=	64.000	230.000	2.000
SUM X*X	=	236.000	1114.000	4.000
MAXIMUM	=	6	10	2
MINIMUM	=	2	1	2

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	1	3	0
MEAN =	15.000	11.000	9999.000
STD. DEV.=	0.000	6.928	0.000
SUM X'S =	15.000	33.000	0.000
SUM X*X =	225.000	459.000	0.000
MAXIMUM =	15	15	-1000
MINIMUM =	15	3	1000

NUMBER SHOWING ORTHOPHORIA= 51

FOR NEAR COVER TEST DATA

NUMBER FAILED = 10
 NUMBER BORDERLINE= 17
 NUMBER PASSED = 109

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 7
 NUMBER BORDERLINE= 27
 NUMBER PASSED = 103

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 6
 NUMBER BORDERLINE= 27
 NUMBER PASSED = 103

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	136	136
MEAN =	-0.837	-0.843
STD. DEV.=	0.439	0.450
SUM X'S =	-113.849	-114.730
SUM X*X =	121.414	124.220
MAXIMUM =	0.500	0.500
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	7	9
NUMBER BORDERLINE=	22	22
NUMBER PASSED =	107	105

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	137	137
MEAN =	0.588	0.578
STD. DEV.=	0.578	0.531
SUM X'S =	80.665	79.260
SUM X*X =	92.994	84.227
MAXIMUM =	4.000	2.000
MINIMUM =	-1.000	-1.250

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED	=	13	14
NUMBER BORDERLINE	=	13	15
NUMBER PASSED	=	111	108

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED	=	1	1
NUMBER BORDERLINE	=	0	3
NUMBER PASSED	=	136	133

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	5
NUMBER PASSED	=	130

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 0	6	1
NUMBER BORDERLINE	= 1	5	10
NUMBER PASSED	= 136	126	126

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 0	0
MEAN	= 9999.000	9999.000
STD. DEV.	= 0.000	0.000
SUM X'S	= 0.000	0.000
SUM X*X	= 0.000	0.000
MAXIMUM	= -1000	-1000
MINIMUM	= 1000	1000

NUMBER OF GIRLS IN SAMPLE= 0
 NUMBER OF BOYS IN SAMPLE= 136
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 136 0 0 0 0 0

DATA FOR FAR VA--0.D., 0.S., 0.U.

NUMBER = 136 136 136
 MEAN = 0.932 0.928 0.944
 STD. DEV.= 0.181 0.180 0.170
 SUM X'S = 126.866 126.299 128.432
 SUM X*X = 122.782 121.701 125.196
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 40 20/ 40 20/ 40
 NUMBER FAILED = 4
 NUMBER BORDERLINE= 49
 NUMBER PASSED = 83

DATA FOR NEAR VA--0.D., 0.S., 0.U.

NUMBER = 130 130 130
 MEAN = 0.867 0.860 0.881
 STD. DEV.= 0.177 0.177 0.172
 SUM X'S = 112.749 111.916 114.583
 SUM X*X = 101.867 100.395 104.840
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 80 20/ 80 20/ 80
 NUMBER FAILED = 3
 NUMBER BORDERLINE= 51
 NUMBER PASSED = 76

DATA FOR STEREOPSIS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 4
 NUMBER PASSED = 128

DATA FOR COLOR VISION

NUMBER FAILED = 7
 NUMBER BORDERLINE= 6
 NUMBER PASSED = 112

DATA FOR DISTANCE ROCK

NUMBER = 39
 MEAN = 16.078
 STD. DEV.= 4.918
 SUM X'S = 627.078
 SUM X*X = 11001.878
 MAXIMUM = 24
 MINIMUM = 6
 NUMBER FAILED = 6
 NUMBER BORDERLINE= 24
 NUMBER PASSED = 9

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	134	134	134
MEAN	=	2.149	3.731	1.481
STD. DEV.	=	1.652	1.970	1.727
SUM X'S	=	288.000	500.000	198.478
SUM X*X	=	982.000	2382.000	690.822
MAXIMUM	=	12	12	12.000
MINIMUM	=	1	1	0.125
NUMBER FAILED	=	10		
NUMBER BORDERLINE	=	8		
NUMBER PASSED	=	116		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	10	36	0
MEAN	=	2.500	2.638	9999.000
STD. DEV.	=	1.080	1.334	0.000
SUM X'S	=	25.000	95.000	0.000
SUM X*X	=	73.000	313.000	0.000
MAXIMUM	=	5	6	-1000
MINIMUM	=	2	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	2	1	0
MEAN	=	14.000	10.000	9999.000
STD. DEV.	=	8.485	0.000	0.000
SUM X'S	=	28.000	10.000	0.000
SUM X*X	=	464.000	100.000	0.000
MAXIMUM	=	20	10	-1000
MINIMUM	=	0	10	1000

NUMBER SHOWING ORTHOPHORIA= 86

FOR FAR COVER TEST DATA

NUMBER FAILED = 7
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 123

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	23	53	0
MEAN	=	3.434	4.188	9999.000
STD. DEV.	=	1.804	2.426	0.000
SUM X'S	=	79.000	222.000	0.000
SUM X*X	=	343.000	1236.000	0.000
MAXIMUM	=	8	12	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	2	1	0
MEAN =	14.000	10.000	9999.000
STD. DEV.=	8.485	0.000	0.000
SUM X'S =	28.000	10.000	0.000
SUM X*X =	464.000	100.000	0.000
MAXIMUM =	20	10	-1000
MINIMUM =	8	10	1000

NUMBER SHOWING ORTHOPHORIA= 56

FOR NEAR COVER TEST DATA

NUMBER FAILED = 11
 NUMBER BORDERLINE= 18
 NUMBER PASSED = 106

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 15
 NUMBER PASSED = 117

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 7
 NUMBER BORDERLINE= 11
 NUMBER PASSED = 118

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	133	133
MEAN =	-0.861	-0.893
STD. DEV.=	0.408	0.427
SUM X'S =	-114.589	-118.839
SUM X*X =	120.793	130.355
MAXIMUM =	0.250	0.000
MINIMUM =	-2.250	-2.500
NUMBER FAILED =	7	9
NUMBER BORDERLINE=	21	24
NUMBER PASSED =	105	100

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	136	136
MEAN =	0.570	0.576
STD. DEV.=	0.601	0.613
SUM X'S =	77.604	78.455
SUM X*X =	93.154	96.028
MAXIMUM =	2.250	3.000
MINIMUM =	-1.000	-1.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 21 17
NUMBER BORDERLINE= 9 9
NUMBER PASSED = 106 110

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 2 3
NUMBER BORDERLINE= 3 3
NUMBER PASSED = 131 130

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 5
NUMBER BORDERLINE= 5
NUMBER PASSED = 126

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	3	0
NUMBER BORDERLINE=	1	2	6
NUMBER PASSED =	135	131	130

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	0	0
MEAN =	9999.000	9999.000
STD. DEV.=	0.000	0.000
SUM X'S =	0.000	0.000
SUM X*X =	0.000	0.000
MAXIMUM =	-1000	-1000
MINIMUM =	1000	1000

i
/

NUMBER OF GIRLS IN SAMPLE=	0							
NUMBER OF BOYS IN SAMPLE=	148							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	148	0	0	0	0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER	=	148	148	148
MEAN	=	0.911	0.906	0.929
STD. DEV.	=	0.140	0.157	0.127
SUM X'S	=	134.899	134.133	137.599
SUM X*X	=	125.865	125.204	130.335
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 60	20/100	20/ 60
NUMBER FAILED	=	8		
NUMBER BORDERLINE	=	46		
NUMBER PASSED	=	94		

DATA FOR NEAR VA--O.U., O.S., O.U.

NUMBER	=	135	135	135
MEAN	=	0.872	0.857	0.887
STD. DEV.	=	0.170	0.180	0.156
SUM X'S	=	117.833	115.721	119.832
SUM X*X	=	106.727	103.554	109.672
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 60	20/ 90	20/ 40
NUMBER FAILED	=	7		
NUMBER BORDERLINE	=	50		
NUMBER PASSED	=	78		

DATA FOR STEREOPSIS

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	6
NUMBER PASSED	=	138

DATA FOR COLOR VISION

NUMBER FAILED	=	10
NUMBER BORDERLINE	=	5
NUMBER PASSED	=	122

DATA FOR DISTANCE ROCK

NUMBER	=	47
MEAN	=	20.210
STD. DEV.	=	3.746
SUM X'S	=	949.884
SUM X*X	=	19843.071
MAXIMUM	=	28
MINIMUM	=	12
NUMBER FAILED	=	2
NUMBER BORDERLINE	=	27
NUMBER PASSED	=	20

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	144	144	144
MEAN	=	2.138	3.687	1.435
STD. DEV.	=	1.909	2.390	1.876
SUM X'S	=	308.000	531.000	206.658
SUM X*X	=	1180.000	2775.000	698.658
MAXIMUM	=	14	16	12.250
MINIMUM	=	1	1	0.166
NUMBER FAILED	=	7		
NUMBER BORDERLINE	=	14		
NUMBER PASSED	=	123		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	15	32	0
MEAN	=	2.692	2.312	9999.000
STD. DEV.	=	1.250	0.965	0.000
SUM X'S	=	35.000	74.000	0.000
SUM X*X	=	113.000	200.000	0.000
MAXIMUM	=	6	6	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EX0	VERTICAL
NUMBER	=	1	1	0
MEAN	=	8.000	25.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	8.000	25.000	0.000
SUM X*X	=	64.000	625.000	0.000
MAXIMUM	=	8	25	-1000
MINIMUM	=	8	25	1000

NUMBER SHOWING ORTHOPHORIA= 97

FOR FAR COVER TEST DATA

NUMBER FAILED = 4
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 137

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	22	72	0
MEAN	=	3.363	3.986	9999.000
STD. DEV.	=	2.682	2.304	0.000
SUM X'S	=	74.000	287.000	0.000
SUM X*X	=	400.000	1521.000	0.000
MAXIMUM	=	14	15	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	4	1	0
MEAN =	21.250	25.000	9999.000
STD. DEV.=	6.751	0.000	0.000
SUM X'S =	85.000	25.000	0.000
SUM X*X =	1943.000	625.000	0.000
MAXIMUM =	30	25	-1000
MINIMUM =	15	25	1000

NUMBER SHOWING ORTHOPHORIA= 45

FOR NEAR COVER TEST DATA

NUMBER FAILED = 10
 NUMBER BORDERLINE= 18
 NUMBER PASSED = 116

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 10
 NUMBER PASSED = 134

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 15
 NUMBER PASSED = 129

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	147	147
MEAN =	-0.755	-0.770
STD. DEV.=	0.429	0.460
SUM X'S =	-111.090	-113.219
SUM X*X =	110.928	118.096
MAXIMUM =	0.500	0.500
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	4	8
NUMBER BORDERLINE=	26	25
NUMBER PASSED =	117	114

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	148	148
MEAN =	0.441	0.462
STD. DEV.=	0.522	0.536
SUM X'S =	65.379	68.491
SUM X*X =	69.074	74.071
MAXIMUM =	2.000	2.000
MINIMUM =	-0.750	-1.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 11 12
NUMBER BORDERLINE= 12 12
NUMBER PASSED = 125 124

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 1 2
NUMBER BORDERLINE= 2 3
NUMBER PASSED = 145 143

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 1
NUMBER BORDERLINE= 3
NUMBER PASSED = 144

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	1	1
NUMBER BORDERLINE=	4	2	5
NUMBER PASSED =	144	145	142

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	101	97
MEAN =	50.653	50.659
STD. DEV.=	9.287	9.900
SUM X'S =	5116.000	4914.000
SUM X*X =	267768.020	258352.040
MAXIMUM =	69	68
MINIMUM =	28	32

Boys
G-4

NUMBER OF GIRLS IN SAMPLE= 0
NUMBER OF BOYS IN SAMPLE= 156
GRADE K 1 2 3 4 5 6 SP
NUMBER 0 0 0 0 156 0 0 0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER = 155 156 156
MEAN = 0.940 0.935 0.945
STD. DEV.= 0.172 0.184 0.169
SUM X'S = 145.732 145.918 147.432
SUM X*X = 141.604 141.758 143.603
MAXIMUM = 20/ 15 20/ 15 20/ 15
MINIMUM = 20/ 60 20/ 70 20/ 60
NUMBER FAILED = 7
NUMBER BORDERLINE= 40
NUMBER PASSED = 109

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER = 154 155 155
MEAN = 0.928 0.933 0.940
STD. DEV.= 0.144 0.139 0.129
SUM X'S = 142.999 144.633 145.633
SUM X*X = 135.999 137.945 139.605
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 40 20/ 40 20/ 40
NUMBER FAILED = 5
NUMBER BORDERLINE= 31
NUMBER PASSED = 119

DATA FOR STEREOPSIS

NUMBER FAILED = 5
NUMBER BORDERLINE= 6
NUMBER PASSED = 145

DATA FOR COLOR VISION

NUMBER FAILED = 6
NUMBER BORDERLINE= 2
NUMBER PASSED = 143

DATA FOR DISTANCE ROCK

NUMBER = 75
MEAN = 20.940
STD. DEV.= 4.495
SUM X'S = 1570.534
SUM X*X = 34363.195
MAXIMUM = 34
MINIMUM = 12
NUMBER FAILED = 0
NUMBER BORDERLINE= 36
NUMBER PASSED = 39

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	151	151	151
MEAN	=	2.119	3.841	1.326
STD. DEV.	=	1.496	2.298	1.269
SUM X'S	=	320.000	580.000	200.324
SUM X*X	=	1014.000	3020.000	507.434
MAXIMUM	=	12	14	10.285
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	10		
NUMBER BORDERLINE	=	17		
NUMBER PASSED	=	124		

DATA FOR FAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	8	25	0
MEAN	=	4.000	2.799	9999.000
STD. DEV.	=	3.964	1.527	0.000
SUM X'S	=	32.000	70.000	0.000
SUM X*X	=	238.000	252.000	0.000
MAXIMUM	=	13	7	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESU	EXO	VERTICAL
NUMBER	=	2	0	0
MEAN	=	11.000	9999.000	9999.000
STD. DEV.	=	12.727	0.000	0.000
SUM X'S	=	22.000	0.000	0.000
SUM X*X	=	404.000	0.000	0.000
MAXIMUM	=	20	-1000	-1000
MINIMUM	=	2	1000	1000

NUMBER SHOWING ORTHOPHORIA= 121

FOR FAR COVER TEST DATA

NUMBER FAILED	=	7
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	148

DATA FOR NEAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	18	52	1
MEAN	=	4.277	4.134	2.000
STD. DEV.	=	3.738	1.771	0.000
SUM X'S	=	77.000	215.000	2.000
SUM X*X	=	567.000	1049.000	4.000
MAXIMUM	=	17	12	2
MINIMUM	=	1	2	2

DATA FOR NEAR COVER TEST, TROPIAS

	ESD	EXO	VERTICAL
NUMBER =	3	1	0
MEAN =	10.333	5.000	9999.000
STD. DEV.=	8.386	0.000	0.000
SUM X'S =	31.000	5.000	0.000
SUM X*X =	461.000	25.000	0.000
MAXIMUM =	20	5	-1000
MINIMUM =	5	5	1000

NUMBER SHOWING ORTHOPHORIA= 81

FOR NEAR COVER TEST DATA

NUMBER FAILED = 9
 NUMBER BORDERLINE= 14
 NUMBER PASSED = 133

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 10
 NUMBER PASSED = 144

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 14
 NUMBER PASSED = 138

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	156	156
MEAN =	-0.769	-0.772
STD. DEV.=	0.436	0.437
SUM X'S =	-120.039	-120.539
SUM X*X =	121.854	122.789
MAXIMUM =	0.500	0.500
MINIMUM =	-1.750	-2.250
NUMBER FAILED =	6	5
NUMBER BORDERLINE=	22	24
NUMBER PASSED =	128	127

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	156	156
MEAN =	0.399	0.390
STD. DEV.=	0.589	0.571
SUM X'S =	62.370	60.909
SUM X*X =	78.853	74.350
MAXIMUM =	3.000	1.750
MINIMUM =	-0.750	-1.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 19 18
NUMBER BORDERLINE= 8 10
NUMBER PASSED = 129 128

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 3 3
NUMBER BORDERLINE= 6 6
NUMBER PASSED = 147 147

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 2
NUMBER BORDERLINE= 2
NUMBER PASSED = 152

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	5	1
NUMBER BORDERLINE=	1	3	5
NUMBER PASSED =	155	148	150

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	129	127
MEAN =	50.325	50.826
STD. DEV.=	10.454	9.491
SUM X'S =	6492.000	6455.000
SUM X*X =	340704.020	339437.000
MAXIMUM =	71	71
MINIMUM =	31	32

Page 35

NUMBER OF GIRLS IN SAMPLE=	0							
NUMBER OF BOYS IN SAMPLE=	140							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	0	0	140	0	0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER	=	140	140	140
MEAN	=	0.944	0.949	0.966
STD. DEV.	=	0.228	0.216	0.207
SUM X'S	=	132.166	132.933	135.333
SUM X*X	=	132.000	132.715	136.806
MAXIMUM	=	20/ 10	20/ 10	20/ 10
MINIMUM	=	20/ 60	20/ 60	20/ 60
NUMBER FAILED	=	10		
NUMBER BORDERLINE	=	27		
NUMBER PASSED	=	103		

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER	=	140	140	140
MEAN	=	0.918	0.918	0.939
STD. DEV.	=	0.168	0.169	0.149
SUM X'S	=	128.605	128.638	131.555
SUM X*X	=	122.085	122.195	126.716
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 90	20/ 90	20/ 90
NUMBER FAILED	=	7		
NUMBER BORDERLINE	=	26		
NUMBER PASSED	=	107		

DATA FOR STEREOPSIS

NUMBER FAILED	=	11
NUMBER BORDERLINE	=	8
NUMBER PASSED	=	121

DATA FOR COLOR VISION

NUMBER FAILED	=	9
NUMBER BORDERLINE	=	3
NUMBER PASSED	=	121

DATA FOR DISTANCE ROCK

NUMBER	=	59
MEAN	=	23.901
STD. DEV.	=	5.450
SUM X'S	=	1410.175
SUM X*X	=	35428.142
MAXIMUM	=	38
MINIMUM	=	12
NUMBER FAILED	=	0
NUMBER BORDERLINE	=	18
NUMBER PASSED	=	41

DATA FOR NEAR POINT OF CONVERGENCE--BREAK, RECOVERY, AND RATIO

NUMBER	=	137	137	137
MEAN	=	2.102	3.459	1.463
STD. DEV.	=	1.828	2.320	1.678
SUM X'S	=	288.000	474.000	200.518
SUM X*X	=	1060.000	2372.000	676.662
MAXIMUM	=	12	13	12.000
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	8		
NUMBER BORDERLINE	=	9		
NUMBER PASSED	=	120		

DATA FOR FAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	12	26	0
MEAN	=	3.250	2.807	9999.000
STD. DEV.	=	2.416	2.039	0.000
SUM X'S	=	39.000	73.000	0.000
SUM X*X	=	191.000	309.000	0.000
MAXIMUM	=	10	10	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESU	EXO	VERTICAL
NUMBER	=	4	1	0
MEAN	=	26.250	3.000	9999.000
STD. DEV.	=	8.539	0.000	0.000
SUM X'S	=	105.000	3.000	0.000
SUM X*X	=	2975.000	9.000	0.000
MAXIMUM	=	35	3	-1000
MINIMUM	=	15	3	1000

NUMBER SHOWING ORTHOPHORIA= 96

FOR FAR COVER TEST DATA

NUMBER FAILED	=	9
NUMBER BORDERLINE	=	6
NUMBER PASSED	=	124

DATA FOR NEAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	19	56	0
MEAN	=	4.210	4.410	9999.000
STD. DEV.	=	2.572	2.578	0.000
SUM X'S	=	80.000	247.000	0.000
SUM X*X	=	456.000	1455.000	0.000
MAXIMUM	=	10	11	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	4	1	0
MEAN =	21.750	8.000	9999.000
STD. DEV.=	12.606	0.000	0.000
SUM X'S =	87.000	8.000	0.000
SUM X*X =	2369.000	64.000	0.000
MAXIMUM =	35	8	-1000
MINIMUM =	10	3	1000

NUMBER SHOWING ORTHOPHORIA= 60

FOR NEAR COVER TEST DATA

NUMBER FAILED = 14
 NUMBER BORDERLINE= 14
 NUMBER PASSED = 112

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 13
 NUMBER PASSED = 125

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 12
 NUMBER PASSED = 127

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	140	140
MEAN =	-0.615	-0.650
STD. DEV.=	0.484	0.458
SUM X'S =	-86.149	-91.019
SUM X*X =	85.590	88.407
MAXIMUM =	1.500	0.750
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	3	2
NUMBER BORDERLINE=	13	17
NUMBER PASSED =	124	121

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	140	140
MEAN =	0.410	0.484
STD. DEV.=	0.639	0.604
SUM X'S =	57.453	67.856
SUM X*X =	80.374	83.645
MAXIMUM =	1.750	3.500
MINIMUM =	-4.000	-1.437

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED	=	11	10
NUMBER BORDERLINE	=	9	18
NUMBER PASSED	=	120	112

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED	=	0	1
NUMBER BORDERLINE	=	1	4
NUMBER PASSED	=	139	135

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	2
NUMBER PASSED	=	136

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 0	2	0
NUMBER BORDERLINE	= 1	2	5
NUMBER PASSED	= 139	136	135

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 116	117
MEAN	= 49.525	51.700
STD. DEV.	= 10.374	11.297
SUM X'S	= 5745.000	6049.000
SUM X*X	= 296903.010	327545.040
MAXIMUM	= 71	71
MINIMUM	= 23	32

NUMBER OF GIRLS IN SAMPLE=	0							
NUMBER OF BOYS IN SAMPLE=	161							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	0	0	0	161	0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER	=	161	161	161
MEAN	=	0.963	0.962	0.983
STD. DEV.	=	0.204	0.201	0.181
SUM X'S	=	155.149	154.955	158.333
SUM X*X	=	156.174	155.649	160.997
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/ 80	20/900	20/ 60
NUMBER FAILED	=	11		
NUMBER BORDERLINE	=	32		
NUMBER PASSED	=	118		

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER	=	161	160	161
MEAN	=	0.903	0.905	0.928
STD. DEV.	=	0.168	0.165	0.145
SUM X'S	=	145.521	144.833	149.449
SUM X*X	=	136.083	135.449	142.122
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 90	20/ 60	20/ 80
NUMBER FAILED	=	10		
NUMBER BORDERLINE	=	38		
NUMBER PASSED	=	113		

DATA FOR STEREOPS 3

NUMBER FAILED	=	11
NUMBER BORDERLINE	=	4
NUMBER PASSED	=	146

DATA FOR COLOR VISION

NUMBER FAILED	=	5
NUMBER BORDERLINE	=	4
NUMBER PASSED	=	149

DATA FOR DISTANCE ROCK

NUMBER	=	94
MEAN	=	25.896
STD. DEV.	=	5.421
SUM X'S	=	2434.244
SUM X*X	=	65771.692
MAXIMUM	=	41
MINIMUM	=	15
NUMBER FAILED	=	0
NUMBER BORDERLINE	=	20
NUMBER PASSED	=	74

DATA FOR NEAR POINT OF CONVERGENCE--BREAK, RECOVERY, AND RATIO

NUMBER	=	158	158	158
MEAN	=	2.088	3.594	1.407
STD. DEV.	=	1.849	2.383	1.683
SUM X'S	=	330.000	568.000	222.329
SUM X*X	=	1226.000	2934.000	757.797
MAXIMUM	=	16	16	16.000
MINIMUM	=	1	1	0.166
NUMBER FAILED	=	7		
NUMBER BORDERLINE	=	24		
NUMBER PASSED	=	127		

DATA FOR FAR COVER TEST, PHORIAS

		ESD	EXO	VERTICAL
NUMBER	=	15	32	0
MEAN	=	2.400	2.437	9999.000
STD. DEV.	=	1.298	1.293	0.000
SUM X'S	=	36.000	78.000	0.000
SUM X*X	=	110.000	242.000	0.000
MAXIMUM	=	5	6	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESD	EXO	VERTICAL
NUMBER	=	13	10	0
MEAN	=	13.000	10.000	9999.000
STD. DEV.	=	4.690	0.000	0.000
SUM X'S	=	65.000	10.000	0.000
SUM X*X	=	933.000	100.000	0.000
MAXIMUM	=	20	10	-1000
MINIMUM	=	8	10	1000

NUMBER SHOWING ORTHOPHORIA= 107

FOR FAR COVER TEST DATA

NUMBER FAILED = 10
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 145

DATA FOR NEAR COVER TEST, PHORIAS

		ESD	EXO	VERTICAL
NUMBER	=	27	73	0
MEAN	=	3.111	4.205	9999.000
STD. DEV.	=	1.887	2.538	0.000
SUM X'S	=	84.000	307.000	0.000
SUM X*X	=	354.000	1755.000	0.000
MAXIMUM	=	8	12	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXU	VERTICAL
NUMBER =	5	2	0
MEAN =	17.799	10.000	9999.000
STD. DEV.=	2.167	0.000	0.000
SUM X'S =	89.000	20.000	0.000
SUM X*X =	1603.000	200.000	0.000
MAXIMUM =	20	10	-1000
MINIMUM =	15	10	1000

NUMBER SHOWING ORTHOPHORIA= 53

FOR NEAR COVER TEST DATA

NUMBER FAILED = 16
 NUMBER BORDERLINE= 18
 NUMBER PASSED = 126

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 24
 NUMBER PASSED = 133

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 12
 NUMBER PASSED = 147

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	160	159
MEAN =	-0.714	-0.715
STD. DEV.=	0.427	0.427
SUM X'S =	-114.279	-113.779
SUM X*X =	110.723	110.348
MAXIMUM =	0.250	0.250
MINIMUM =	-2.250	-1.750
NUMBER FAILED =	3	6
NUMBER BORDERLINE=	19	17
NUMBER PASSED =	138	136

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	160	160
MEAN =	0.306	0.243
STD. DEV.=	0.567	1.204
SUM X'S =	48.995	39.010
SUM X*X =	66.168	240.365
MAXIMUM =	2.000	2.000
MINIMUM =	-1.500	-13.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 17 17
 NUMBER BORDERLINE = 10 7
 NUMBER PASSED = 133 136

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 3 4
 NUMBER BORDERLINE = 4 2
 NUMBER PASSED = 153 154

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 2
 NUMBER BORDERLINE = 6
 NUMBER PASSED = 152

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	3	0
NUMBER BORDERLINE =	0	3	5
NUMBER PASSED =	161	155	156

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	140	142
MEAN =	49.750	51.866
STD. DEV. =	10.000	10.009
SUM X'S =	6965.000	7365.000
SUM X'S ² =	300411.040	398121.020
VARIANCE =	100.000	100.180
STANDARD DEVIATION =	10.000	10.009

NUMBER OF GIRLS IN SAMPLE=	0							
NUMBER OF BOYS IN SAMPLE=	13							
GRADE	K	1	2	3	4	5	6	SF
NUMBER	0	0	0	0	0	0	0	13

DATA FOR FAR VA--O.D., C.S., O.U.

NUMBER	=	13	13	13
MEAN	=	0.787	0.746	0.782
STD. DEV.	=	0.167	0.196	0.151
SUM X'S	=	10.233	9.699	10.166
SUM X*X	=	8.392	7.698	8.227
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 40	20/ 60	20/ 40
NUMBER FAILED	=	2		
NUMBER BORDERLINE	=	8		
NUMBER PASSED	=	3		

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER	=	13	13	13
MEAN	=	0.794	0.782	0.807
STD. DEV.	=	0.216	0.184	0.190
SUM X'S	=	10.333	10.166	10.500
SUM X*X	=	8.777	8.361	8.916
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 60	20/ 40	20/ 40
NUMBER FAILED	=	1		
NUMBER BORDERLINE	=	7		
NUMBER PASSED	=	5		

DATA FOR STEREOPSIS

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	2
NUMBER PASSED	=	10

DATA FOR COLOR VISION

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	11

DATA FOR DISTANCE ROCK

NUMBER	=	0
MEAN	=	9999.000
STD. DEV.	=	0.000
SUM X'S	=	0.000
SUM X*X	=	0.000
MAXIMUM	=	-1000
MINIMUM	=	1000
NUMBER FAILED	=	0
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	0

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	11	11	11
MEAN	=	2.909	3.818	2.293
STD. DEV.	=	1.136	1.078	1.218
SUM X'S	=	32.000	42.000	25.233
SUM X*X	=	106.000	172.000	72.729
MAXIMUM	=	5	6	4.166
MINIMUM	=	2	3	1.000
NUMBER FAILED	=	0		
NUMBER BORDERLINE	=	4		
NUMBER PASSED	=	7		

DATA FOR FAR COVER TEST, PHORIAS

		ESD	EXO	VERTICAL
NUMBER	=	2	5	0
MEAN	=	7.000	3.599	9999.000
STD. DEV.	=	4.242	3.646	0.000
SUM X'S	=	14.000	18.000	0.000
SUM X*X	=	116.000	118.000	0.000
MAXIMUM	=	10	10	-1000
MINIMUM	=	4	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESD	EXO	VERTICAL
NUMBER	=	0	0	0
MEAN	=	9999.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	0.000	0.000	0.000
SUM X*X	=	0.000	0.000	0.000
MAXIMUM	=	-1000	-1000	-1000
MINIMUM	=	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 6

FOR FAR COVER TEST DATA

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	10

DATA FOR NEAR COVER TEST, PHORIAS

		ESD	EXO	VERTICAL
NUMBER	=	2	7	0
MEAN	=	6.500	7.000	9999.000
STD. DEV.	=	4.949	3.000	0.000
SUM X'S	=	13.000	49.000	0.000
SUM X*X	=	109.000	397.000	0.000
MAXIMUM	=	10	12	-1000
MINIMUM	=	3	4	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	0	0	0
MEAN =	9999.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	0.000	0.000	0.000
SUM X*X =	0.000	0.000	0.000
MAXIMUM =	-1000	-1000	-1000
MINIMUM =	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 5

FOR NEAR COVER TEST DATA

NUMBER FAILED =	3
NUMBER BORDERLINE=	1
NUMBER PASSED =	8

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	2
NUMBER BORDERLINE=	1
NUMBER PASSED =	10

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	5
NUMBER PASSED =	7

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	13	13
MEAN =	-0.912	-1.018
STD. DEV.=	0.307	0.491
SUM X'S =	-11.860	-13.240
SUM X*X =	11.953	16.388
MAXIMUM =	-0.369	-0.369
MINIMUM =	-1.570	-2.250
NUMBER FAILED =	0	1
NUMBER BORDERLINE=	3	3
NUMBER PASSED =	10	9

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	12	12
MEAN =	0.604	0.770
STD. DEV.=	0.505	0.607
SUM X'S =	7.250	9.250
SUM X*X =	7.187	11.187
MAXIMUM =	1.750	2.000
MINIMUM =	-0.250	0.000

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 1 2
 NUMBER BORDERLINE= 1 2
 NUMBER PASSED = 10 8
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 0 1
 NUMBER BORDERLINE= 0 0
 NUMBER PASSED = 12 11
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 1
 NUMBER PASSED = 11

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	1	1	0
NUMBER BORDERLINE=	0	0	1
NUMBER PASSED =	12	12	12

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	0	0
MEAN =	9999.000	9999.000
STD. DEV.=	0.000	0.000
SUM X'S =	0.000	0.000
SUM X*X =	0.000	0.000
MAXIMUM =	-1000	-1000
MINIMUM =	1000	1000

High Reading

NUMBER OF GIRLS IN SAMPLE= 81
 NUMBER OF BOYS IN SAMPLE= 101
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 38 59 37 48 0

DATA FOR FAR VA--O.U., O.S., O.U.
 NUMBER = 181 182 182
 MEAN = 0.937 0.939 0.948
 STD. DEV.= 0.191 0.187 0.173
 SUM X'S = 169.699 170.899 172.666
 SUM X*X = 165.718 166.838 169.257
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 60 20/ 60 20/ 60
 NUMBER FAILED = 16
 NUMBER BORDERLINE= 29
 NUMBER PASSED = 137

DATA FOR NEAR VA--O.U., O.S., O.U.
 NUMBER = 181 182 182
 MEAN = 0.948 0.944 0.958
 STD. DEV.= 0.118 0.132 0.109
 SUM X'S = 171.733 171.983 174.466
 SUM X*X = 165.475 165.704 169.417
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 30 20/ 80 20/ 30
 NUMBER FAILED = 4
 NUMBER BORDERLINE= 28
 NUMBER PASSED = 150

DATA FOR STEREOPSIS
 NUMBER FAILED = 4
 NUMBER BORDERLINE= 4
 NUMBER PASSED = 173

DATA FOR COLOR VISION
 NUMBER FAILED = 5
 NUMBER BORDERLINE= 1
 NUMBER PASSED = 111

DATA FOR DISTANCE ROCK
 NUMBER = 96
 MEAN = 23.627
 STD. DEV.= 6.181
 SUM X'S = 2268.218
 SUM X*X = 57222.419
 MAXIMUM = 48
 MINIMUM = 13
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 36
 NUMBER PASSED = 60

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	176	176	176
MEAN	=	2.130	3.562	1.453
STD. DEV.	=	1.492	2.004	1.357
SUM X'S	=	375.000	627.000	255.788
SUM X*X	=	1189.000	2937.000	694.379
MAXIMUM	=	12	14	10.285
MINIMUM	=	1	1	0.125
NUMBER FAILED	=	6		
NUMBER BORDERLINE	=	26		
NUMBER PASSED	=	144		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	10	33	0
MEAN	=	4.099	2.393	9999.000
STD. DEV.	=	4.148	1.197	0.000
SUM X'S	=	41.000	79.000	0.000
SUM X*X	=	325.000	235.000	0.000
MAXIMUM	=	13	7	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	2	1	0
MEAN	=	22.500	25.000	9999.000
STD. DEV.	=	3.535	0.000	0.000
SUM X'S	=	45.000	25.000	0.000
SUM X*X	=	1025.000	625.000	0.000
MAXIMUM	=	25	25	-1000
MINIMUM	=	20	25	1000

NUMBER SHOWING ORTHOPHORIA= 135

FOR FAR COVER TEST DATA

NUMBER FAILED	=	6
NUMBER BORDERLINE	=	4
NUMBER PASSED	=	171

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	30	66	0
MEAN	=	3.700	3.757	9999.000
STD. DEV.	=	3.131	1.745	0.000
SUM X'S	=	111.000	248.000	0.000
SUM X*X	=	695.000	1130.000	0.000
MAXIMUM	=	17	9	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESG	EXO	VERTICAL
NUMBER =	2	1	0
MEAN =	27.500	25.000	9999.000
STD. DEV.=	10.606	0.000	0.000
SUM X'S =	55.000	25.000	0.000
SUM X*X =	1625.000	625.000	0.000
MAXIMUM =	35	25	-1000
MINIMUM =	20	25	1000

NUMBER SHOWING ORTHOPHORIA= 82

FOR NEAR COVER TEST DATA

NUMBER FAILED = 7
 NUMBER BORDERLINE= 23
 NUMBER PASSED = 151

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 14
 NUMBER PASSED = 166

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 3
 NUMBER BORDERLINE= 13
 NUMBER PASSED = 166

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	180	180
MEAN =	-0.685	-0.694
STD. DEV.=	0.396	0.412
SUM X'S =	-123.429	-124.929
SUM X*X =	112.729	117.104
MAXIMUM =	0.500	0.750
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	2	3
NUMBER BORDERLINE=	17	18
NUMBER PASSED =	161	159

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	182	182
MEAN =	0.321	0.370
STD. DEV.=	0.678	0.656
SUM X'S =	58.578	67.515
SUM X*X =	102.260	103.046
MAXIMUM =	2.250	3.000
MINIMUM =	-4.000	-2.000

EVALUATION BASED ON SPHERE POWER			
NUMBER FAILED	=	24	28
NUMBER BORDERLINE	=	10	11
NUMBER PASSED	=	148	143
EVALUATION BASED ON ASTIGMATISM			
NUMBER FAILED	=	2	0
NUMBER BORDERLINE	=	1	5
NUMBER PASSED	=	179	177
EVALUATION BASED ON ANISOMETROPIA			
NUMBER FAILED	=	3	
NUMBER BORDERLINE	=	4	
NUMBER PASSED	=	175	

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 0	5	1
NUMBER BORDERLINE	= 0	4	7
NUMBER PASSED	= 182	173	174

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 182	180
MEAN	= 63.324	59.572
STD. DEV.	= 2.839	8.010
SUM X'S	= 11525.005	10723.000
SUM X*X	= 731271.020	650279.040
MAXIMUM	= 71	75
MINIMUM	= 60	34

NUMBER OF GIRLS IN SAMPLE= 17
 NUMBER OF BOYS IN SAMPLE= 21
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 38 0 0 0

DATA FOR FAR VA--O.D., C.S., O.U.

NUMBER = 38 38 38
 MEAN = 0.944 0.938 0.951
 STD. DEV.= 0.136 0.134 0.113
 SUM X'S = 35.899 35.666 36.166
 SUM X*X = 34.609 34.144 34.894
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 50 20/ 40 20/ 40
 NUMBER FAILED = 3
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 30

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER = 38 38 38
 MEAN = 0.945 0.925 0.959
 STD. DEV.= 0.118 0.163 0.106
 SUM X'S = 35.933 35.183 36.466
 SUM X*X = 34.502 33.564 35.417
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 30 20/ 80 20/ 30
 NUMBER FAILED = 1
 NUMBER BORDERLINE= 7
 NUMBER PASSED = 30

DATA FOR STEREOPSIS

NUMBER FAILED = 0
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 37

DATA FOR COLOR VISION

NUMBER FAILED = 1
 NUMBER BORDERLINE= 1
 NUMBER PASSED = 20

DATA FOR DISTANCE ROCK

NUMBER = 14
 MEAN = 20.222
 STD. DEV.= 3.319
 SUM X'S = 283.115
 SUM X*X = 5868.563
 MAXIMUM = 27
 MINIMUM = 14
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 8
 NUMBER PASSED = 6

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	37	37	37
MEAN	=	2.135	3.675	1.420
STD. DEV.	=	1.397	1.915	1.224
SUM X'S	=	79.000	136.000	52.573
SUM X*X	=	239.000	632.000	128.689
MAXIMUM	=	6	8	4.500
MINIMUM	=	1	1	0.250
NUMBER FAILED	=	1		
NUMBER BORDERLINE	=	8		
NUMBER PASSED	=	28		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	1	7	0
MEAN	=	1.000	2.285	9999.000
STD. DEV.	=	0.000	0.467	0.000
SUM X'S	=	1.000	16.000	0.000
SUM X*X	=	1.000	38.000	0.000
MAXIMUM	=	1	3	-1000
MINIMUM	=	1	2	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EXO	VERTICAL
NUMBER	=	0	1	0
MEAN	=	9999.000	25.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	0.000	25.000	0.000
SUM X*X	=	0.000	625.000	0.000
MAXIMUM	=	-1000	25	-1000
MINIMUM	=	1000	25	1000

NUMBER SHOWING ORTHOPHORIA= 29

FOR FAR COVER TEST DATA

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	37

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	8	13	0
MEAN	=	2.750	4.461	9999.000
STD. DEV.	=	0.886	1.853	0.000
SUM X'S	=	22.000	58.000	0.000
SUM X*X	=	66.000	300.000	0.000
MAXIMUM	=	4	9	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	LSO	EXO	VERTICAL
NUMBER =	0	1	0
MEAN =	9999.000	25.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	0.000	25.000	0.000
SUM X*X =	0.000	625.000	0.000
MAXIMUM =	-1000	25	-1000
MINIMUM =	1000	25	1000

NUMBER SHOWING ORTHOPHORIA= 16

FOR NEAR COVER TEST DATA

NUMBER FAILED = 1
 NUMBER BORDERLINE= 8
 NUMBER PASSED = 29

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 0
 NUMBER BORDERLINE= 1
 NUMBER PASSED = 37

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 0
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 38

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	37	37
MEAN =	-0.861	-0.861
STD. DEV.=	0.508	0.515
SUM X'S =	-31.869	-32.620
SUM X*X =	36.756	38.319
MAXIMUM =	0.500	0.500
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	2	3
NUMBER BORDERLINE=	9	9
NUMBER PASSED =	26	25

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RA
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	38	38
MEAN =	0.427	0.470
STD. DEV.=	0.541	0.658
SUM X'S =	16.250	17.875
SUM X*X =	17.812	24.453
MAXIMUM =	2.250	3.000
MINIMUM =	-0.750	-1.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED	=	4	4
NUMBER BORDERLINE	=	1	2
NUMBER PASSED	=	33	32

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED	=	0	0
NUMBER BORDERLINE	=	0	1
NUMBER PASSED	=	38	37

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED	=	0
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	37

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 0	0	0
NUMBER BORDERLINE	= 0	1	0
NUMBER PASSED	= 38	37	38

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 38	37
MEAN	= 63.421	57.756
STD. DEV.	= 2.992	7.049
SUM X'S	= 2410.000	2137.000
SUM X*X	= 153176.000	125215.050
MAXIMUM	= 69	67
MINIMUM	= 60	37

High Reading
G-4

NUMBER OF GIRLS IN SAMPLE= 26
NUMBER OF BOYS IN SAMPLE= 33
GRADE K 1 2 3 4 5 6 SP
NUMBER 0 0 0 0 59 0 0 0

DATA FOR FAR VA--O.D., O.S., O.U.
NUMBER = 58 59 59
MEAN = 0.909 0.912 0.911
STD. DEV.= 0.175 0.171 0.169
SUM X'S = 52.733 53.866 53.799
SUM X*X = 49.693 50.888 50.724
MAXIMUM = 20/ 15 20/ 15 20/ 15
MINIMUM = 20/ 60 20/ 60 20/ 60
NUMBER FAILED = 2
NUMBER BORDERLINE= 16
NUMBER PASSED = 41

DATA FOR NEAR VA--O.D., O.S., O.U.
NUMBER = 58 59 59
MEAN = 0.954 0.949 0.960
STD. DEV.= 0.115 0.120 0.108
SUM X'S = 55.333 55.999 56.666
SUM X*X = 53.555 53.999 55.111
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 30 20/ 30 20/ 30
NUMBER FAILED = 1
NUMBER BORDERLINE= 9
NUMBER PASSED = 49

DATA FOR STEREOPSIS
NUMBER FAILED = 1
NUMBER BORDERLINE= 3
NUMBER PASSED = 55

DATA FOR COLOR VISION
NUMBER FAILED = 3
NUMBER BORDERLINE= 0
NUMBER PASSED = 36

DATA FOR DISTANCE ROCK
NUMBER = 36
MEAN = 21.282
STD. DEV.= 4.539
SUM X'S = 766.178
SUM X*X = 17027.658
MAXIMUM = 34
MINIMUM = 13
NUMBER FAILED = 0
NUMBER BORDERLINE= 18
NUMBER PASSED = 18

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	55	55	55
MEAN	=	2.509	3.836	1.777
STD. DEV.	=	1.923	2.315	1.780
SUM X'S	=	138.000	211.000	97.740
SUM X*X	=	546.000	1099.000	344.934
MAXIMUM	=	12	14	10.265
MINIMUM	=	1	1	0.250
NUMBER FAILED	=	3		
NUMBER BORDERLINE	=	8		
NUMBER PASSED	=	44		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	4	9	0
MEAN	=	5.250	3.111	9999.000
STD. DEV.	=	5.315	1.763	0.000
SUM X'S	=	21.000	28.000	0.000
SUM X*X	=	195.000	112.000	0.000
MAXIMUM	=	13	7	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EXO	VERTICAL
NUMBER	=	1	0	0
MEAN	=	20.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	20.000	0.000	0.000
SUM X*X	=	400.000	0.000	0.000
MAXIMUM	=	20	-1000	-1000
MINIMUM	=	20	1000	1000

NUMBER SHOWING ORTHOPHOKIA= 44

FOR FAR COVER TEST DATA

NUMBER FAILED	=	3
NUMBER BORDERLINE	=	2
NUMBER PASSED	=	53

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	10	18	0
MEAN	=	4.500	3.611	9999.000
STD. DEV.	=	4.836	1.419	0.000
SUM X'S	=	45.000	65.000	0.000
SUM X*X	=	413.000	269.000	0.000
MAXIMUM	=	17	8	-1000
MINIMUM	=	1	2	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	1	0	0
MEAN =	20.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	20.000	0.000	0.000
SUM X*X =	400.000	0.000	0.000
MAXIMUM =	20	-1000	-1000
MINIMUM =	20	1000	1000

NUMBER SHOWING ORTHOPHORIA= 29

FOR NEAR COVER TEST DATA

NUMBER FAILED =	3
NUMBER BORDERLINE=	6
NUMBER PASSED =	+9

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	0
NUMBER BORDERLINE=	6
NUMBER PASSED =	53

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	6
NUMBER PASSED =	52

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	59	59
MEAN =	-0.679	-0.688
STD. DEV.=	0.404	0.408
SUM X'S =	-40.109	-40.609
SUM X*X =	36.765	37.640
MAXIMUM =	0.500	0.500
MINIMUM =	-1.500	-1.500
NUMBER FAILED =	0	0
NUMBER BORDERLINE=	6	6
NUMBER PASSED =	53	53

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	59	59
MEAN =	0.355	0.343
STD. DEV.=	0.608	0.636
SUM X'S =	20.995	20.250
SUM X*X =	26.362	30.437
MAXIMUM =	1.500	1.500
MINIMUM =	-1.250	-1.500

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED	=	8	9
NUMBER BORDERLINE	=	6	3
NUMBER PASSED	=	45	45

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED	=	0	0
NUMBER BORDERLINE	=	1	1
NUMBER PASSED	=	58	58

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED	=	0
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	59

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 0	3	1
NUMBER BORDERLINE	= 0	0	2
NUMBER PASSED	= 59	56	56

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 59	58
MEAN	= 63.966	59.448
STQ. DEV.	= 3.028	8.541
SUM X'S	= 3774.000	3448.000
SUM X*X	= 241940.020	209136.000
MAXIMUM	= 71	71
MINIMUM	= 60	34

NUMBER OF GIRLS IN SAMPLE=	14							
NUMBER OF BOYS IN SAMPLE=	23							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	0	0	37	0	0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER	=	37	37	37
MEAN	=	0.958	0.971	0.983
STD. DEV.=		0.256	0.235	0.215
SUM X'S	=	35.466	35.933	36.399
SUM X*X	=	36.362	36.891	37.475
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/ 60	20/ 60	20/ 60
NUMBER FAILED	=	5		
NUMBER BORDERLINE=		3		
NUMBER PASSED	=	29		

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER	=	37	37	37
MEAN	=	0.963	0.981	0.981
STD. DEV.=		0.104	0.076	0.076
SUM X'S	=	35.666	36.333	36.333
SUM X*X	=	34.777	35.868	35.888
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 30	20/ 30	20/ 30
NUMBER FAILED	=	0		
NUMBER BORDERLINE=		4		
NUMBER PASSED	=	33		

DATA FOR STEREOPSIS

NUMBER FAILED	=	2
NUMBER BORDERLINE=		1
NUMBER PASSED	=	34

DATA FOR COLOR VISION

NUMBER FAILED	=	0
NUMBER BORDERLINE=		0
NUMBER PASSED	=	28

DATA FOR DISTANCE ROCK

NUMBER	=	13
MEAN	=	25.973
STD. DEV.=		5.323
SUM X'S	=	337.650
SUM X*X	=	9109.859
MAXIMUM	=	35
MINIMUM	=	16
NUMBER FAILED	=	0
NUMBER BORDERLINE=		2
NUMBER PASSED	=	11

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	37	37	37
MEAN	=	1.972	3.108	1.414
STD. DEV.	=	1.258	1.744	1.165
SUM X'S	=	73.000	115.000	52.349
SUM X*X	=	201.000	467.000	123.011
MAXIMUM	=	5	10	4.166
MINIMUM	=	1	1	0.250
NUMBER FAILED	=	1		
NUMBER BORDERLINE	=	4		
NUMBER PASSED	=	32		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	3	6	0
MEAN	=	5.000	2.333	9999.000
STD. DEV.	=	4.582	1.211	0.000
SUM X'S	=	15.000	14.000	0.000
SUM X*X	=	117.000	40.000	0.000
MAXIMUM	=	10	4	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	1	0	0
MEAN	=	25.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	25.000	0.000	0.000
SUM X*X	=	625.000	0.000	0.000
MAXIMUM	=	25	-1000	-1000
MINIMUM	=	25	1000	1000

NUMBER SHOWING ORTHOPHORIA= 27

FOR FAR COVER TEST DATA

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	2
NUMBER PASSED	=	33

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	4	16	0
MEAN	=	4.750	3.687	9999.000
STD. DEV.	=	2.217	1.778	0.000
SUM X'S	=	19.000	59.000	0.000
SUM X*X	=	105.000	265.000	0.000
MAXIMUM	=	8	7	-1000
MINIMUM	=	3	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXU	VERTICAL
NUMBER =	1	0	0
MEAN =	35.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	35.000	0.000	0.000
SUM X*X =	1225.000	0.000	0.000
MAXIMUM =	35	-1000	-1000
MINIMUM =	35	1000	1000

NUMBER SHOWING ORTHOPHORIA= 16

FOR NEAR COVER TEST DATA

NUMBER FAILED =	2
NUMBER BORDERLINE=	3
NUMBER PASSED =	32

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	2
NUMBER PASSED =	34

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	4
NUMBER PASSED =	32

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	37	37
MEAN =	-0.590	-0.577
STD. DEV.=	0.329	0.395
SUM X'S =	-21.859	-21.359
SUM X*X =	16.828	17.953
MAXIMUM =	0.000	0.750
MINIMUM =	-1.250	-1.250
NUMBER FAILED =	0	0
NUMBER BORDERLINE=	1	2
NUMBER PASSED =	36	35

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	37	37
MEAN =	0.317	0.486
STD. DEV.=	0.906	0.633
SUM X'S =	11.750	13.009
SUM X*X =	33.312	23.211
MAXIMUM =	1.750	1.750
MINIMUM =	-4.000	-0.750

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED	=	4	5
NUMBER BORDERLINE	=	2	3
NUMBER PASSED	=	31	29

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED	=	0	0
NUMBER BORDERLINE	=	0	1
NUMBER PASSED	=	37	36

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	36

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 0	1	0
NUMBER BORDERLINE	= 0	2	1
NUMBER PASSED	= 37	34	36

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 37	37
MEAN	= 63.135	60.918
STD. DEV.	= 2.657	8.234
SUM X'S	= 2336.000	2254.000
SUM X*X	= 147738.030	139752.030
MAXIMUM	= 71	71
MINIMUM	= 60	34

High Reading
6-5

NUMBER OF GIRLS IN SAMPLE=	24							
NUMBER OF BOYS IN SAMPLE=	24							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	0	0	0	48	0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER	=	48	48	48
MEAN	=	0.949	0.946	0.964
STD. DEV.	=	0.192	0.201	0.178
SUM X'S	=	45.599	45.433	46.299
SUM X*X	=	45.053	44.914	46.163
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/ 50	20/ 60	20/ 50
NUMBER FAILED	=	6		
NUMBER BORDERLINE	=	5		
NUMBER PASSED	=	37		

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER	=	48	48	48
MEAN	=	0.933	0.926	0.937
STD. DEV.	=	0.132	0.150	0.131
SUM X'S	=	44.799	44.466	44.999
SUM X*X	=	42.639	42.251	42.999
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 30	20/ 40	20/ 30
NUMBER FAILED	=	2		
NUMBER BORDERLINE	=	8		
NUMBER PASSED	=	38		

DATA FOR STEREOPSIS

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	47

DATA FOR COLOR VISION

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	27

DATA FOR DISTANCE ROCK

NUMBER	=	33
MEAN	=	26.705
STD. DEV.	=	7.249
SUM X'S	=	881.277
SUM X*X	=	25216.382
MAXIMUM	=	48
MINIMUM	=	17
NUMBER FAILED	=	0
NUMBER BORDERLINE	=	8
NUMBER PASSED	=	25

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	47	47	47
MEAN	=	1.808	3.510	1.130
STD. DEV.	=	1.035	1.863	0.905
SUM X'S	=	85.000	165.000	53.124
SUM X*X	=	203.000	739.000	97.747
MAXIMUM	=	4	8	4.000
MINIMUM	=	1	1	0.125
NUMBER FAILED	=	1		
NUMBER BORDERLINE	=	6		
NUMBER PASSED	=	40		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	2	11	0
MEAN	=	2.000	1.909	9999.000
STD. DEV.	=	1.414	0.700	0.000
SUM X'S	=	4.000	21.000	0.000
SUM X*X	=	10.000	45.000	0.000
MAXIMUM	=	3	3	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EXO	VERTICAL
NUMBER	=	0	0	0
MEAN	=	9999.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	0.000	0.000	0.000
SUM X*X	=	0.000	0.000	0.000
MAXIMUM	=	-1000	-1000	-1000
MINIMUM	=	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 35

FOR FAR COVER TEST DATA

NUMBER FAILED	=	0
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	48

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	8	19	0
MEAN	=	3.125	3.473	9999.000
STD. DEV.	=	2.167	1.925	0.000
SUM X'S	=	25.000	66.000	0.000
SUM X*X	=	111.000	296.000	0.000
MAXIMUM	=	8	8	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	0	0	0
MEAN =	9999.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	0.000	0.000	0.000
SUM X*X =	0.000	0.000	0.000
MAXIMUM =	-1000	-1000	-1000
MINIMUM =	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 21

FOR NEAR COVER TEST DATA

NUMBER FAILED = 1
 NUMBER BORDERLINE= 6
 NUMBER PASSED = 41

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 42

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 44

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	47	47
MEAN =	-0.629	-0.645
STD. DEV.=	0.285	0.279
SUM X'S =	-29.589	-30.339
SUM X*X =	22.378	23.190
MAXIMUM =	-0.250	-0.250
MINIMUM =	-1.250	-1.250
NUMBER FAILED =	0	0
NUMBER BORDERLINE=	1	1
NUMBER PASSED =	46	46

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	48	48
MEAN =	0.199	0.237
STD. DEV.=	0.656	0.687
SUM X'S =	9.583	11.380
SUM X*X =	22.173	24.944
MAXIMUM =	2.000	2.000
MINIMUM =	-1.500	-2.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED	=	8	10
NUMBER BORDERLINE	=	1	1
NUMBER PASSED	=	39	37

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED	=	2	0
NUMBER BORDERLINE	=	0	2
NUMBER PASSED	=	46	46

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	3
NUMBER PASSED	=	43

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 0	1	0
NUMBER BORDERLINE	= 0	1	4
NUMBER PASSED	= 48	46	44

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 48	48
MEAN	= 62.604	60.083
STD. DEV.	= 2.490	7.349
SUM X'S	= 3005.000	2884.000
SUM X*X	= 188417.010	176176.010
MAXIMUM	= 69	75
MINIMUM	= 60	45

Fig. 1

NUMBER OF GIRLS IN SAMPLE= 81
 NUMBER OF BOYS IN SAMPLE= 0
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 17 26 14 24 0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER = 81 81 81
 MEAN = 0.966 0.945 0.966
 STD. DEV.= 0.163 0.191 0.163
 SUM X'S = 78.266 76.599 78.266
 SUM X*X = 77.757 75.368 77.757
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 40 20/ 60 20/ 40
 NUMBER FAILED = 5
 NUMBER BORDERLINE= 14
 NUMBER PASSED = 62

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER = 81 81 81
 MEAN = 0.945 0.942 0.956
 STD. DEV.= 0.121 0.142 0.111
 SUM X'S = 76.599 76.349 77.466
 SUM X*X = 73.613 73.592 75.084
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 30 20/ 80 20/ 30
 NUMBER FAILED = 2
 NUMBER BORDERLINE= 13
 NUMBER PASSED = 66

DATA FOR STEREOPSIS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 79

DATA FOR COLOR VISION

NUMBER FAILED = 0
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 22

DATA FOR DISTANCE ROCK

NUMBER = 39
 MEAN = 24.413
 STD. DEV.= 6.762
 SUM X'S = 952.111
 SUM X*X = 24981.641
 MAXIMUM = 48
 MINIMUM = 16
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 14
 NUMBER PASSED = 25

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	77	77	77
MEAN	=	2.402	3.909	1.683
STD. DEV.	=	1.844	2.368	1.713
SUM X'S	=	185.000	301.000	129.639
SUM X*X	=	703.000	1603.000	441.285
MAXIMUM	=	12	14	10.285
MINIMUM	=	1	1	0.125
NUMBER FAILED	=	5		
NUMBER BORDERLINE	=	15		
NUMBER PASSED	=	57		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	2	14	0
MEAN	=	3.500	2.285	9999.000
STD. DEV.	=	0.707	0.913	0.000
SUM X'S	=	7.000	32.000	0.000
SUM X*X	=	25.000	84.000	0.000
MAXIMUM	=	4	4	-1000
MINIMUM	=	3	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EX0	VERTICAL
NUMBER	=	1	0	0
MEAN	=	25.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	25.000	0.000	0.000
SUM X*X	=	625.000	0.000	0.000
MAXIMUM	=	25	-1000	-1000
MINIMUM	=	25	1000	1000

NUMBER SHOWING ORTHOPHORIA= 63

FOR FAR COVER TEST DATA

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	2
NUMBER PASSED	=	77

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	13	33	0
MEAN	=	2.923	3.606	9999.000
STD. DEV.	=	1.977	1.456	0.000
SUM X'S	=	38.000	119.000	0.000
SUM X*X	=	158.000	497.000	0.000
MAXIMUM	=	8	6	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESG	EXO	VERTICAL
NUMBER =	1	0	0
MEAN =	35.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	35.000	0.000	0.000
SUM X*X =	1225.000	0.000	0.000
MAXIMUM =	35	-1000	-1000
MINIMUM =	35	1000	1000

NUMBER SHOWING ORTHOPHORIA= 33

FOR NEAR COVER TEST DATA

NUMBER FAILED =	2
NUMBER BORDERLINE=	8
NUMBER PASSED =	70

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	2
NUMBER BORDERLINE=	5
NUMBER PASSED =	74

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	3
NUMBER BORDERLINE=	4
NUMBER PASSED =	74

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	80	80
MEAN =	-0.686	-0.705
STD. DEV.=	0.373	0.373
SUM X'S =	-54.959	-56.459
SUM X*X =	48.750	50.875
MAXIMUM =	0.000	0.000
MINIMUM =	-1.750	-1.750
NUMBER FAILED =	1	1
NUMBER BORDERLINE=	8	8
NUMBER PASSED =	71	71

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	81	81
MEAN =	0.331	0.359
STD. DEV.=	0.605	0.682
SUM X'S =	26.833	29.135
SUM X*X =	38.235	47.721
MAXIMUM =	2.250	3.000
MINIMUM =	-1.250	-1.500

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 12 15
 NUMBER BORDERLINE= 3 3
 NUMBER PASSED = 66 63
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 1 0
 NUMBER BORDERLINE= 1 3
 NUMBER PASSED = 79 78
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 2
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 76

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	2	1
NUMBER BORDERLINE=	0	2	3
NUMBER PASSED =	81	77	77

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	81	80
MEAN =	63.061	59.112
STD. DEV.=	2.829	7.691
SUM X'S =	5108.000	4729.000
SUM X*X =	322760.040	284217.000
MAXIMUM =	70	75
MINIMUM =	60	34

High Reading
Boys

NUMBER OF GIRLS IN SAMPLE= 0
NUMBER OF BOYS IN SAMPLE= 101
GRADE K 1 2 3 4 5 6 SP
NUMBER 0 0 0 21 33 23 24 0

DATA FOR FAR VA--O.D., O.S., O.U.
NUMBER = 100 101 101
MEAN = 0.914 0.933 0.934
STD. DEV.= 0.209 0.185 0.180
SUM X'S = 91.433 94.299 94.399
SUM X*X = 87.961 91.469 91.499
MAXIMUM = 20/ 15 20/ 15 20/ 15
MINIMUM = 20/ 60 20/ 60 20/ 60
NUMBER FAILED = 11
NUMBER BORDERLINE= 15
NUMBER PASSED = 75

DATA FOR NEAR VA--O.D., O.S., O.U.
NUMBER = 100 101 101
MEAN = 0.951 0.946 0.960
STD. DEV.= 0.117 0.124 0.108
SUM X'S = 95.133 95.633 96.999
SUM X*X = 91.862 92.112 94.333
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 30 20/ 40 20/ 30
NUMBER FAILED = 2
NUMBER BORDERLINE= 15
NUMBER PASSED = 84

DATA FOR STEREOPSIS
NUMBER FAILED = 2
NUMBER BORDERLINE= 4
NUMBER PASSED = 94

DATA FOR COLOR VISION
NUMBER FAILED = 5
NUMBER BORDERLINE= 1
NUMBER PASSED = 89

DATA FOR DISTANCE ROCK
NUMBER = 57
MEAN = 23.089
STD. DEV.= 5.751
SUM X'S = 1316.108
SUM X*X = 32240.796
MAXIMUM = 38
MINIMUM = 13
NUMBER FAILED = 0
NUMBER BORDERLINE= 22
NUMBER PASSED = 35

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	99	99	99
MEAN	=	1.919	3.292	1.274
STD. DEV.	=	1.112	1.630	0.970
SUM X'S	=	190.000	326.000	126.149
SUM X*X	=	486.000	1334.000	253.097
MAXIMUM	=	5	10	4.166
MINIMUM	=	1	1	0.250
NUMBER FAILED	=	1		
NUMBER BORDERLINE	=	11		
NUMBER PASSED	=	87		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	8	19	0
MEAN	=	4.250	2.473	9999.000
STD. DEV.	=	4.682	1.389	0.000
SUM X'S	=	34.000	47.000	0.000
SUM X*X	=	298.000	151.000	0.000
MAXIMUM	=	13	7	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	1	1	0
MEAN	=	20.000	25.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	20.000	25.000	0.000
SUM X*X	=	400.000	625.000	0.000
MAXIMUM	=	20	25	-1000
MINIMUM	=	20	25	1000

NUMBER SHOWING ORTHOPHORIA= 72

FOR FAR COVER TEST DATA

NUMBER FAILED	=	5
NUMBER BORDERLINE	=	2
NUMBER PASSED	=	94

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	17	33	0
MEAN	=	4.294	3.909	9999.000
STD. DEV.	=	3.737	2.005	0.000
SUM X'S	=	73.000	129.000	0.000
SUM X*X	=	537.000	633.000	0.000
MAXIMUM	=	17	9	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	1	1	0
MEAN =	20.000	25.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	20.000	25.000	0.000
SUM X*X =	400.000	625.000	0.000
MAXIMUM =	20	25	-1000
MINIMUM =	20	25	1000

NUMBER SHOWING ORTHOPHORIA= 49

FOR NEAR COVER TEST DATA

NUMBER FAILED =	5
NUMBER BORDERLINE=	15
NUMBER PASSED =	81

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	0
NUMBER BORDERLINE=	9
NUMBER PASSED =	92

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	0
NUMBER BORDERLINE=	9
NUMBER PASSED =	92

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	100	100
MEAN =	-0.684	-0.684
STD. DEV.=	0.415	0.442
SUM X'S =	-68.469	-68.469
SUM X*X =	63.978	66.228
MAXIMUM =	0.500	0.750
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	1	2
NUMBER BORDERLINE=	9	10
NUMBER PASSED =	90	88

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	101	101
MEAN =	0.314	0.379
STD. DEV.=	0.735	0.638
SUM X'S =	31.745	38.379
SUM X*X =	64.025	55.324
MAXIMUM =	2.000	2.000
MINIMUM =	-4.000	-2.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 12 13
NUMBER BORDERLINE= 7 8
NUMBER PASSED = 82 80

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 1 0
NUMBER BORDERLINE= 0 2
NUMBER PASSED = 100 99

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 1
NUMBER BORDERLINE= 1
NUMBER PASSED = 99

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	3	0
NUMBER BORDERLINE=	0	2	4
NUMBER PASSED =	101	96	97

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	101	100
MEAN =	63.534	59.939
STD. DEV.=	2.844	8.276
SUM X'S =	6417.000	5994.000
SUM X*X =	408511.040	366062.040
MAXIMUM =	71	75
MINIMUM =	60	34

NUMBER OF GIRLS IN SAMPLE= 58
 NUMBER OF BOYS IN SAMPLE= 95
 GRADE K 1 2 3 4 5 6
 NUMBER 0 0 0 15 44 40 54

Low Reading
Total
 SP 0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER = 153 153 153
 MEAN = 0.940 0.930 0.955
 STD. DEV.= 0.185 0.197 0.177
 SUM X'S = 143.866 142.318 146.266
 SUM X*X = 140.502 138.333 144.611
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 60 20/ 70 20/ 60
 NUMBER FAILED = 12
 NUMBER BORDERLINE= 33
 NUMBER PASSED = 108

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER = 153 153 153
 MEAN = 0.891 0.886 0.904
 STD. DEV.= 0.181 0.185 0.169
 SUM X'S = 136.416 135.566 138.333
 SUM X*X = 126.623 125.336 129.422
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 80 20/ 60 20/ 60
 NUMBER FAILED = 12
 NUMBER BORDERLINE= 39
 NUMBER PASSED = 102

DATA FOR STEREOPSIS

NUMBER FAILED = 9
 NUMBER BORDERLINE= 4
 NUMBER PASSED = 140

DATA FOR COLOR VISION

NUMBER FAILED = 5
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 99

DATA FOR DISTANCE ROCK

NUMBER = 71
 MEAN = 21.867
 STD. DEV.= 5.227
 SUM X'S = 1552.628
 SUM X*X = 35865.956
 MAXIMUM = 35
 MINIMUM = 11
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 34
 NUMBER PASSED = 37

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	151	151	151
MEAN	=	2.192	3.887	1.434
STD. DEV.	=	1.857	2.528	1.602
SUM X'S	=	331.000	587.000	216.635
SUM X*X	=	1243.000	3241.000	695.781
MAXIMUM	=	12	14	11.076
MINIMUM	=	1	1	0.090
NUMBER FAILED	=	13		
NUMBER BORDERLINE	=	17		
NUMBER PASSED	=	121		

DATA FOR FAR COVER TEST, PHORIAS

		LSO	EXO	VERTICAL
NUMBER	=	13	25	0
MEAN	=	2.384	2.599	9999.000
STD. DEV.	=	1.609	1.979	0.000
SUM X'S	=	31.000	65.000	0.000
SUM X*X	=	105.000	263.000	0.000
MAXIMUM	=	7	11	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		LSO	EXO	VERTICAL
NUMBER	=	2	0	0
MEAN	=	13.500	9999.000	9999.000
STD. DEV.	=	2.121	0.000	0.000
SUM X'S	=	27.000	0.000	0.000
SUM X*X	=	369.000	0.000	0.000
MAXIMUM	=	15	-1000	-1000
MINIMUM	=	12	1000	1000

NUMBER SHOWING ORTHOPHORIA= 112

FOR FAR COVER TEST DATA

NUMBER FAILED	=	4
NUMBER BORDERLINE	=	3
NUMBER PASSED	=	145

DATA FOR NEAR COVER TEST, PHORIAS

		LSO	EXO	VERTICAL
NUMBER	=	25	71	1
MEAN	=	3.599	4.281	2.000
STD. DEV.	=	2.101	2.496	0.000
SUM X'S	=	90.000	304.000	2.000
SUM X*X	=	430.000	1738.000	4.000
MAXIMUM	=	8	15	2
MINIMUM	=	1	1	2

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXO	VERTICAL
NUMBER =	3	0	0
MEAN =	9.333	9999.000	9999.000
STD. DEV.=	6.658	0.000	0.000
SUM X'S =	28.000	0.000	0.000
SUM X*X =	350.000	0.000	0.000
MAXIMUM =	17	-1000	-1000
MINIMUM =	5	1000	1000

NUMBER SHOWING ORTHOPHORIA= 52

FOR NEAR COVER TEST DATA

NUMBER FAILED = 13
 NUMBER BORDERLINE= 18
 NUMBER PASSED = 121

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 14
 NUMBER PASSED = 135

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 5
 NUMBER BORDERLINE= 17
 NUMBER PASSED = 131

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	155	153
MEAN =	-0.760	-0.777
STD. DEV.=	0.501	0.497
SUM X'S =	-116.389	-118.899
SUM X*X =	126.739	130.022
MAXIMUM =	0.750	0.750
MINIMUM =	-2.250	-2.250
NUMBER FAILED =	7	8
NUMBER BORDERLINE=	22	23
NUMBER PASSED =	124	122

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	152	152
MEAN =	0.356	0.428
STD. DEV.=	0.583	0.600
SUM X'S =	54.187	65.157
SUM X*X =	70.788	82.354
MAXIMUM =	1.750	3.500
MINIMUM =	-1.250	-1.500

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 18 17
 NUMBER BORDERLINE= 9 9
 NUMBER PASSED = 125 126
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 3 5
 NUMBER BORDERLINE= 3 3
 NUMBER PASSED = 146 144
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 3
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 144

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 2	3	1
NUMBER BORDERLINE	= 1	3	7
NUMBER PASSED	= 150	147	145

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 153	150
MEAN	= 35.986	41.000
STD. DEV.	= 3.638	6.918
SUM X'S	= 5506.000	6150.000
SUM X*X	= 200156.030	259282.050
MAXIMUM	= 46	66
MINIMUM	= 23	28

NUMBER OF GIRLS IN SAMPLE=	4							
NUMBER OF BOYS IN SAMPLE=	11							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	15	0	0	0	0

6-3

DATA FOR FAR VA--O.U., O.S., O.U.

NUMBER	=	15	15	15
MEAN	=	0.864	0.839	0.873
STD. DEV.	=	0.152	0.168	0.143
SUM X'S	=	12.966	12.599	13.099
SUM X*X	=	11.534	10.979	11.729
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 40	20/ 40	20/ 40
NUMBER FAILED	=	2		
NUMBER BORDERLINE	=	7		
NUMBER PASSED	=	6		

DATA FOR NEAR VA--O.U., O.S., O.U.

NUMBER	=	15	15	15
MEAN	=	0.875	0.853	0.886
STD. DEV.	=	0.204	0.198	0.175
SUM X'S	=	13.133	12.800	13.300
SUM X*X	=	12.084	11.473	12.223
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 60	20/ 40	20/ 40
NUMBER FAILED	=	2		
NUMBER BORDERLINE	=	4		
NUMBER PASSED	=	9		

DATA FOR STEREOPSIS

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	14

DATA FOR COLOR VISION

NUMBER FAILED	=	0
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	10

DATA FOR DISTANCE ROCK

NUMBER	=	8
MEAN	=	16.252
STD. DEV.	=	4.401
SUM X'S	=	146.016
SUM X*X	=	2800.687
MAXIMUM	=	25
MINIMUM	=	12
NUMBER FAILED	=	0
NUMBER BORDERLINE	=	6
NUMBER PASSED	=	2

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	15	15	15
MEAN	=	2.333	3.866	1.589
STD. DEV.	=	2.819	3.020	2.519
SUM X'S	=	35.000	58.000	23.835
SUM X*X	=	193.000	352.000	126.737
MAXIMUM	=	12	14	10.285
MINIMUM	=	1	2	0.250
NUMBER FAILED	=	1		
NUMBER BORDERLINE	=	1		
NUMBER PASSED	=	13		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	1	3	0
MEAN	=	3.000	2.333	9999.000
STD. DEV.	=	0.000	1.527	0.000
SUM X'S	=	3.000	7.000	0.000
SUM X*X	=	9.000	21.000	0.000
MAXIMUM	=	3	4	-1000
MINIMUM	=	3	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EXO	VERTICAL
NUMBER	=	0	0	0
MEAN	=	9999.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	0.000	0.000	0.000
SUM X*X	=	0.000	0.000	0.000
MAXIMUM	=	-1000	-1000	-1000
MINIMUM	=	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 11

FOR FAR COVER TEST DATA

NUMBER FAILED	=	0
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	14

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	1	8	0
MEAN	=	4.000	3.625	9999.000
STD. DEV.	=	0.000	1.060	0.000
SUM X'S	=	4.000	29.000	0.000
SUM X*X	=	16.000	113.000	0.000
MAXIMUM	=	4	5	-1000
MINIMUM	=	4	2	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESD	EXD	VERTICAL
NUMBER =	0	0	0
MEAN =	9999.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	0.000	0.000	0.000
SUM X*X =	0.000	0.000	0.000
MAXIMUM =	-1000	-1000	-1000
MINIMUM =	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 6

FOR NEAR COVER TEST DATA

NUMBER FAILED = 0
 NUMBER BORDERLINE= 1
 NUMBER PASSED = 14

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 1
 NUMBER PASSED = 13

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 11

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	15	15
MEAN =	-0.899	-0.991
STD. DEV.=	0.500	0.575
SUM X'S =	-13.490	-14.869
SUM X*X =	15.641	19.381
MAXIMUM =	0.250	0.250
MINIMUM =	-1.750	-2.000
NUMBER FAILED =	1	2
NUMBER BORDERLINE=	4	5
NUMBER PASSED =	10	8

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	15	15
MEAN =	0.299	0.399
STD. DEV.=	0.599	0.632
SUM X'S =	4.500	6.000
SUM X*X =	6.375	8.000
MAXIMUM =	1.250	1.500
MINIMUM =	-1.000	-0.750

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 1 2
NUMBER BORDERLINE = 1 0
NUMBER PASSED = 13 13

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 0 0
NUMBER BORDERLINE = 1 1
NUMBER PASSED = 14 14

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 0
NUMBER BORDERLINE = 0
NUMBER PASSED = 15

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	0	0
NUMBER BORDERLINE =	0	0	0
NUMBER PASSED =	15	15	15

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	15	15
MEAN =	35.000	40.000
STD. DEV. =	3.525	6.391
SUM X'S =	525.000	600.000
SUM X*X =	18549.001	24572.002
MAXIMUM =	39	51
MINIMUM =	28	34

Low Rate
C-4

NUMBER OF GIRLS IN SAMPLE=	14							
NUMBER OF BOYS IN SAMPLE=	30							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	0	44	0	0	0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER	=	44	44	44
MEAN	=	0.958	0.927	0.967
STD. DEV.	=	0.163	0.215	0.167
SUM X'S	=	42.166	40.818	42.566
SUM X*X	=	41.561	39.859	42.387
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/ 60	20/ 70	20/ 50
NUMBER FAILED	=	3		
NUMBER BORDERLINE	=	9		
NUMBER PASSED	=	32		

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER	=	44	44	44
MEAN	=	0.882	0.890	0.901
STD. DEV.	=	0.195	0.193	0.184
SUM X'S	=	38.833	39.166	39.666
SUM X*X	=	35.916	36.472	37.222
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 60	20/ 60	20/ 60
NUMBER FAILED	=	4		
NUMBER BORDERLINE	=	10		
NUMBER PASSED	=	30		

DATA FOR STEREOPSIS

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	42

DATA FOR COLOR VISION

NUMBER FAILED	=	3
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	29

DATA FOR DISTANCE ROCK

NUMBER	=	22
MEAN	=	19.301
STD. DEV.	=	3.585
SUM X'S	=	424.643
SUM X*X	=	8466.441
MAXIMUM	=	24
MINIMUM	=	11
NUMBER FAILED	=	0
NUMBER BORDERLINE	=	14
NUMBER PASSED	=	8

DATA FOR NEAR POINT OF CONVERGENCE--BREAK, RECOVERY, AND RATIO

NUMBER	=	43	43	43
MEAN	=	2.651	4.604	1.741
STD. DEV.	=	2.318	2.854	2.054
SUM X'S	=	114.000	198.000	74.887
SUM X*X	=	528.000	1254.000	307.767
MAXIMUM	=	12	14	11.076
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	7		
NUMBER BORDERLINE	=	5		
NUMBER PASSED	=	31		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	2	4	0
MEAN	=	1.500	4.750	9999.000
STD. DEV.	=	0.707	4.349	0.000
SUM X'S	=	3.000	19.000	0.000
SUM X*X	=	5.000	147.000	0.000
MAXIMUM	=	2	11	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	0	0	0
MEAN	=	9999.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	0.000	0.000	0.000
SUM X*X	=	0.000	0.000	0.000
MAXIMUM	=	-1000	-1000	-1000
MINIMUM	=	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 37

FOR FAR COVER TEST DATA

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	41

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	5	17	1
MEAN	=	2.200	4.588	2.000
STD. DEV.	=	1.095	1.938	0.000
SUM X'S	=	11.000	78.000	2.000
SUM X*X	=	29.000	418.000	4.000
MAXIMUM	=	4	11	2
MINIMUM	=	1	3	2

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	2	0	0
MEAN =	5.500	9999.000	9999.000
STD. DEV.=	0.707	0.000	0.000
SUM X'S =	11.000	0.000	0.000
SUM X*X =	61.000	0.000	0.000
MAXIMUM =	6	-1000	-1000
MINIMUM =	5	1000	1000

NUMBER SHOWING ORTHOPHORIA= 18

FOR NEAR COVER TEST DATA

NUMBER FAILED = 4
 NUMBER BORDERLINE= 4
 NUMBER PASSED = 35

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 6
 NUMBER PASSED = 37

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 4
 NUMBER PASSED = 38

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	44	44
MEAN =	-0.720	-0.768
STD. DEV.=	0.457	0.467
SUM X'S =	-31.709	-33.829
SUM X*X =	31.857	35.422
MAXIMUM =	0.250	0.250
MINIMUM =	-1.750	-2.250
NUMBER FAILED =	1	1
NUMBER BORDERLINE=	7	7
NUMBER PASSED =	36	36

DATA FOR STATIC RETINOSCOPY OVER HABITUAL KX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	44	44
MEAN =	0.346	0.394
STD. DEV.=	0.593	0.569
SUM X'S =	15.250	17.369
SUM X*X =	20.437	20.821
MAXIMUM =	1.500	1.750
MINIMUM =	-1.250	-1.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED	=	6	5
NUMBER BORDERLINE	=	3	2
NUMBER PASSED	=	35	37

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED	=	0	1
NUMBER BORDERLINE	=	0	0
NUMBER PASSED	=	44	43

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	42

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 1	0	0
NUMBER BORDERLINE	= 0	3	3
NUMBER PASSED	= 43	41	41

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 44	43
MEAN	= 37.340	42.683
STD. DEV.	= 2.587	7.961
SUM X'S	= 1643.000	1844.000
SUM X*X	= 61639.004	61740.003
MAXIMUM	= 40	66
MINIMUM	= 31	32

Low r^2

NUMBER OF GIRLS IN SAMPLE= 19
 NUMBER OF BOYS IN SAMPLE= 21
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 0 0 40 0 0

DATA FOR FAR VA--O.U., O.S., O.U.
 NUMBER = 40 40 40
 MEAN = 0.935 0.940 0.968
 STD. DEV.= 0.195 0.187 0.174
 SUM X'S = 37.433 37.633 38.733
 SUM X*X = 36.525 36.778 38.697
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 50 20/ 40 20/ 30
 NUMBER FAILED = 3
 NUMBER BORDERLINE= 9
 NUMBER PASSED = 28

DATA FOR NEAR VA--O.U., O.S., O.U.
 NUMBER = 40 40 40
 MEAN = 0.897 0.874 0.895
 STD. DEV.= 0.183 0.191 0.179
 SUM X'S = 35.883 34.999 35.833
 SUM X*X = 33.508 32.055 33.361
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 80 20/ 60 20/ 60
 NUMBER FAILED = 3
 NUMBER BORDERLINE= 11
 NUMBER PASSED = 26

DATA FOR STEREOPSIS
 NUMBER FAILED = 3
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 34

DATA FOR COLOR VISION
 NUMBER FAILED = 1
 NUMBER BORDERLINE= 1
 NUMBER PASSED = 22

DATA FOR DISTANCE ROCK
 NUMBER = 15
 MEAN = 22.170
 STD. DEV.= 4.286
 SUM X'S = 332.553
 SUM X*X = 7629.957
 MAXIMUM = 30
 MINIMUM = 14
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 6
 NUMBER PASSED = 9

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	39	39	39
MEAN	=	2.102	3.641	1.444
STD. DEV.	=	1.483	2.443	1.212
SUM X'S	=	82.000	142.000	56.336
SUM X*X	=	256.000	744.000	137.212
MAXIMUM	=	8	11	6.399
MINIMUM	=	1	1	0.090
NUMBER FAILED	=	2		
NUMBER BORDERLINE	=	6		
NUMBER PASSED	=	31		

DATA FOR FAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	3	5	0
MEAN	=	2.666	2.400	9999.000
STD. DEV.	=	0.577	1.140	0.000
SUM X'S	=	8.000	12.000	0.000
SUM X*X	=	22.000	34.000	0.000
MAXIMUM	=	3	4	-1000
MINIMUM	=	2	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESU	EXO	VERTICAL
NUMBER	=	1	0	0
MEAN	=	15.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	15.000	0.000	0.000
SUM X*X	=	225.000	0.000	0.000
MAXIMUM	=	15	-1000	-1000
MINIMUM	=	15	1000	1000

NUMBER SHOWING ORTHOPHORIA= 31

FOR FAR COVER TEST DATA

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	38

DATA FOR NEAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	9	16	0
MEAN	=	4.222	3.500	9999.000
STD. DEV.	=	2.905	1.505	0.000
SUM X'S	=	38.000	56.000	0.000
SUM X*X	=	228.000	230.000	0.000
MAXIMUM	=	8	6	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXU	VERTICAL
NUMBER =	0	0	0
MEAN =	9999.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	0.000	0.000	0.000
SUM X*X =	0.000	0.000	0.000
MAXIMUM =	-1000	-1000	-1000
MINIMUM =	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 15

FOR NEAR COVER TEST DATA

NUMBER FAILED = 3
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 32

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 2
 NUMBER PASSED = 37

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 34

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	40	40
MEAN =	-0.764	-0.761
STD. DEV.=	0.577	0.564
SUM X'S =	-30.599	-30.479
SUM X*X =	36.416	35.657
MAXIMUM =	0.750	0.750
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	2	2
NUMBER BORDERLINE=	6	6
NUMBER PASSED =	32	32

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	40	40
MEAN =	0.527	0.615
STD. DEV.=	0.555	0.646
SUM X'S =	21.119	24.619
SUM X*X =	23.194	31.444
MAXIMUM =	1.750	3.500
MINIMUM =	-1.000	-0.500

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 3 4
NUMBER BORDERLINE = 3 4
NUMBER PASSED = 34 32

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 1 2
NUMBER BORDERLINE = 1 1
NUMBER PASSED = 38 37

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 2
NUMBER BORDERLINE = 2
NUMBER PASSED = 36

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	1	0
NUMBER BORDERLINE =	1	0	2
NUMBER PASSED =	39	39	38

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	40	38
MEAN =	35.099	39.000
STO. DEV. =	4.325	7.689
SUM X'S =	1404.000	1482.000
SUM X*X =	50010.001	59986.001
MAXIMUM =	40	65
MINIMUM =	23	28

15.1
E

NUMBER OF GIRLS IN SAMPLE=	21							
NUMBER OF BOYS IN SAMPLE=	33							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	0	0	0	54	0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER	=	54	54	54
MEAN	=	0.949	0.949	0.960
STD. DEV.	=	0.201	0.196	0.193
SUM X'S	=	51.299	51.266	51.866
SUM X*X	=	50.881	50.715	51.795
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/ 60	20/ 60	20/ 60
NUMBER FAILED	=	4		
NUMBER BORDERLINE	=	8		
NUMBER PASSED	=	42		

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER	=	54	54	54
MEAN	=	0.899	0.899	0.917
STD. DEV.	=	0.164	0.173	0.149
SUM X'S	=	48.566	48.599	49.533
SUM X*X	=	45.114	45.335	46.615
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 40	20/ 60	20/ 40
NUMBER FAILED	=	3		
NUMBER BORDERLINE	=	14		
NUMBER PASSED	=	37		

DATA FOR STEREOPSIS

NUMBER FAILED	=	3
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	50

DATA FOR COLOR VISION

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	2
NUMBER PASSED	=	38

DATA FOR DISTANCE ROCK

NUMBER	=	26
MEAN	=	24.977
STD. DEV.	=	5.469
SUM X'S	=	649.418
SUM X*X	=	16968.911
MAXIMUM	=	35
MINIMUM	=	15
NUMBER FAILED	=	0
NUMBER BORDERLINE	=	8
NUMBER PASSED	=	18

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	54	54	54
MEAN	=	1.851	3.500	1.140
STD. DEV.	=	1.234	2.080	1.008
SUM X'S	=	100.000	189.000	61.576
SUM X*X	=	266.000	891.000	124.068
MAXIMUM	=	6	10	5.142
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	3		
NUMBER BORDERLINE	=	5		
NUMBER PASSED	=	46		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	7	13	0
MEAN	=	2.428	2.076	9999.000
STD. DEV.	=	2.149	0.640	0.000
SUM X'S	=	17.000	27.000	0.000
SUM X*X	=	69.000	61.000	0.000
MAXIMUM	=	7	3	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EX0	VERTICAL
NUMBER	=	1	0	0
MEAN	=	12.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	12.000	0.000	0.000
SUM X*X	=	144.000	0.000	0.000
MAXIMUM	=	12	-1000	-1000
MINIMUM	=	12	1000	1000

NUMBER SHOWING ORTHOPHORIA= 33

FOR FAR COVER TEST DATA

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	52

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	10	30	0
MEAN	=	3.700	4.700	9999.000
STD. DEV.	=	1.494	3.292	0.000
SUM X'S	=	37.000	141.000	0.000
SUM X*X	=	157.000	977.000	0.000
MAXIMUM	=	6	15	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	1	0	0
MEAN =	17.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	17.000	0.000	0.000
SUM X*X =	289.000	0.000	0.000
MAXIMUM =	17	-1000	-1000
MINIMUM =	17	1000	1000

NUMBER SHOWING ORTHOPHORIA= 13

FOR NEAR COVER TEST DATA

NUMBER FAILED = 6
 NUMBER BORDERLINE= 8
 NUMBER PASSED = 40

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 48

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 48

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	54	54
MEAN =	-0.751	-0.735
STD. DEV.=	0.481	0.441
SUM X'S =	-40.589	-39.719
SUM X*X =	42.823	39.561
MAXIMUM =	0.250	0.000
MINIMUM =	-2.250	-1.750
NUMBER FAILED =	3	3
NUMBER BORDERLINE=	5	5
NUMBER PASSED =	46	46

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	53	53
MEAN =	0.251	0.323
STD. DEV.=	0.579	0.563
SUM X'S =	13.317	17.167
SUM X*X =	20.781	22.088
MAXIMUM =	1.562	1.500
MINIMUM =	-1.250	-1.500

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED	=	8	6
NUMBER BORDERLINE	=	2	3
NUMBER PASSED	=	43	44

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED	=	2	2
NUMBER BORDERLINE	=	1	1
NUMBER PASSED	=	50	50

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED	=	0
NUMBER BORDERLINE	=	2
NUMBER PASSED	=	51

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 1	2	1
NUMBER BORDERLINE	= 0	0	2
NUMBER PASSED	= 53	52	51

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 54	54
MEAN	= 35.814	41.185
STD. DEV.	= 3.613	5.117
SUM X'S	= 1934.000	2224.000
SUM X*X	= 69958.001	92984.002
MAXIMUM	= 40	53
MINIMUM	= 27	30

Ls
1001

NUMBER OF GIRLS IN SAMPLE= 58
 NUMBER OF BOYS IN SAMPLE= 0
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 4 14 19 21 0

DATA FOR FAR VA--0.0., 0.5., 0.0.

NUMBER = 58 58 58
 MEAN = 0.910 0.902 0.929
 STD. DEV.= 0.178 0.175 0.171
 SUM X'S = 52.799 52.333 53.933
 SUM X*X = 49.891 48.973 51.826
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 60 20/ 60 20/ 50
 NUMBER FAILED = 4
 NUMBER BORDERLINE= 16
 NUMBER PASSED = 38

DATA FOR NEAR VA--0.0., 0.5., 0.0.

NUMBER = 58 58 58
 MEAN = 0.852 0.852 0.864
 STD. DEV.= 0.197 0.202 0.193
 SUM X'S = 49.433 49.466 50.133
 SUM X*X = 44.363 44.528 45.473
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 60 20/ 60 20/ 60
 NUMBER FAILED = 6
 NUMBER BORDERLINE= 19
 NUMBER PASSED = 33

DATA FOR STEREOPSIS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 2
 NUMBER PASSED = 54

DATA FOR COLOR VISION

NUMBER FAILED = 2
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 13

DATA FOR DISTANCE ROCK

NUMBER = 28
 MEAN = 20.871
 STD. DEV.= 5.689
 SUM X'S = 584.392
 SUM X*X = 13070.833
 MAXIMUM = 35
 MINIMUM = 11
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 16
 NUMBER PASSED = 12

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	58	58	58
MEAN	=	2.241	4.155	1.454
STD. DEV.	=	1.922	2.827	1.651
SUM X'S	=	130.000	241.000	84.384
SUM X*X	=	502.000	1457.000	278.206
MAXIMUM	=	12	14	11.076
MINIMUM	=	1	1	0.090
NUMBER FAILED	=	5		
NUMBER BORDERLINE	=	10		
NUMBER PASSED	=	43		

DATA FOR FAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	7	14	0
MEAN	=	2.571	3.142	9999.000
STD. DEV.	=	2.070	2.444	0.000
SUM X'S	=	18.000	44.000	0.000
SUM X*X	=	72.000	216.000	0.000
MAXIMUM	=	7	11	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESU	EXO	VERTICAL
NUMBER	=	0	0	0
MEAN	=	9999.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	0.000	0.000	0.000
SUM X*X	=	0.000	0.000	0.000
MAXIMUM	=	-1000	-1000	-1000
MINIMUM	=	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 36

FOR FAR COVER TEST DATA

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	3
NUMBER PASSED	=	52

DATA FOR NEAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	9	29	0
MEAN	=	3.777	5.068	9999.000
STD. DEV.	=	2.108	3.283	0.000
SUM X'S	=	34.000	147.000	0.000
SUM X*X	=	164.000	1047.000	0.000
MAXIMUM	=	8	15	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	1	0	0
MEAN =	5.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	5.000	0.000	0.000
SUM X*X =	25.000	0.000	0.000
MAXIMUM =	5	-1000	-1000
MINIMUM =	5	1000	1000

NUMBER SHOWING ORTHOPHORIA= 18

FOR NEAR COVER TEST DATA

NUMBER FAILED = 7
 NUMBER BORDERLINE= 7
 NUMBER PASSED = 43

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 51

DATA FOR NEAR-FAK FIXATION EYE MOVEMENTS

NUMBER FAILED = 3
 NUMBER BORDERLINE= 7
 NUMBER PASSED = 48

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	58	58
MEAN =	-0.736	-0.715
STD. DEV.=	0.534	0.477
SUM X'S =	-42.719	-41.479
SUM X*X =	47.736	42.652
MAXIMUM =	0.500	0.500
MINIMUM =	-2.250	-1.750
NUMBER FAILED =	4	3
NUMBER BORDERLINE=	5	5
NUMBER PASSED =	49	50

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	57	57
MEAN =	0.314	0.349
STD. DEV.=	0.678	0.621
SUM X'S =	17.932	19.907
SUM X*X =	31.448	28.564
MAXIMUM =	1.750	1.750
MINIMUM =	-1.250	-1.500

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 11 11
 NUMBER BORDERLINE= 4 1
 NUMBER PASSED = 42 45
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 2 3
 NUMBER BORDERLINE= 0 2
 NUMBER PASSED = 55 52
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 2
 NUMBER BORDERLINE= 2
 NUMBER PASSED = 53

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	2	3	1
NUMBER BORDERLINE=	1	1	3
NUMBER PASSED =	55	54	54

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	58	56
MEAN =	36.310	39.267
STD. DEV.=	3.229	6.462
SUM X'S =	2106.000	2199.000
SUM X*X =	77064.001	88647.001
MAXIMUM =	40	64
MINIMUM =	27	28

Low Reading

Boys

NUMBER OF GIRLS IN SAMPLE= 0
 NUMBER OF BOYS IN SAMPLE= 95
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 11 30 21 33 0

DATA FOR FAR VA--O.D., O.S., O.U.
 NUMBER = 95 95 95
 MEAN = 0.958 0.947 0.971
 STD. DEV.= 0.187 0.209 0.179
 SUM X'S = 91.066 89.985 92.333
 SUM X*X = 90.611 89.360 92.784
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 60 20/ 70 20/ 60
 NUMBER FAILED = 8
 NUMBER BORDERLINE= 17
 NUMBER PASSED = 70

DATA FOR NEAR VA--O.D., O.S., O.U.
 NUMBER = 95 95 95
 MEAN = 0.915 0.906 0.928
 STD. DEV.= 0.166 0.171 0.148
 SUM X'S = 86.983 86.099 88.199
 SUM X*X = 82.260 80.807 83.948
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 80 20/ 60 20/ 60
 NUMBER FAILED = 6
 NUMBER BORDERLINE= 20
 NUMBER PASSED = 69

DATA FOR STEREOPSIS
 NUMBER FAILED = 7
 NUMBER BORDERLINE= 2
 NUMBER PASSED = 86

DATA FOR COLOR VISION
 NUMBER FAILED = 3
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 86

DATA FOR DISTANCE ROCK
 NUMBER = 43
 MEAN = 22.517
 STD. DEV.= 4.863
 SUM X'S = 968.235
 SUM X*X = 22795.134
 MAXIMUM = 34
 MINIMUM = 14
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 18
 NUMBER PASSED = 25

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	93	93	93
MEAN	=	2.161	3.720	1.422
STD. DEV.	=	1.825	2.323	1.579
SUM X'S	=	201.000	346.000	132.250
SUM X*X	=	741.000	1784.000	417.576
MAXIMUM	=	12	14	10.285
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	8		
NUMBER BORDERLINE	=	7		
NUMBER PASSED	=	78		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	6	11	0
MEAN	=	2.166	1.909	9999.000
STD. DEV.	=	0.983	0.831	0.000
SUM X'S	=	13.000	21.000	0.000
SUM X*X	=	33.000	47.000	0.000
MAXIMUM	=	3	3	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EX0	VERTICAL
NUMBER	=	2	0	0
MEAN	=	13.500	9999.000	9999.000
STD. DEV.	=	2.121	0.000	0.000
SUM X'S	=	27.000	0.000	0.000
SUM X*X	=	369.000	0.000	0.000
MAXIMUM	=	15	-1000	-1000
MINIMUM	=	12	1000	1000

NUMBER SHOWING ORTHOPHORIA= 76

FOR FAR COVER TEST DATA

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	93

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	16	42	1
MEAN	=	3.500	3.738	2.000
STD. DEV.	=	2.160	1.593	0.000
SUM X'S	=	56.000	157.000	2.000
SUM X*X	=	266.000	691.000	4.000
MAXIMUM	=	8	7	2
MINIMUM	=	1	1	2

DATA FOR NEAR COVER TEST, TROPICAS

	ESD	EXO	VERTICAL
NUMBER =	2	0	0
MEAN =	11.500	9999.000	9999.000
STD. DEV.=	7.778	0.000	0.000
SUM X'S =	23.000	0.000	0.000
SUM X*X =	325.000	0.000	0.000
MAXIMUM =	17	-1000	-1000
MINIMUM =	6	1000	1000

NUMBER SHOWING ORTHOPHORIA= 34

FOR NEAR COVER TEST DATA

NUMBER FAILED =	6
NUMBER BORDERLINE=	11
NUMBER PASSED =	78

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	2
NUMBER BORDERLINE=	9
NUMBER PASSED =	84

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	2
NUMBER BORDERLINE=	10
NUMBER PASSED =	83

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	95	95
MEAN =	-0.775	-0.814
STD. DEV.=	0.482	0.508
SUM X'S =	-73.669	-77.419
SUM X*X =	79.002	87.370
MAXIMUM =	0.750	0.750
MINIMUM =	-2.000	-2.250
NUMBER FAILED =	3	5
NUMBER BORDERLINE=	17	18
NUMBER PASSED =	75	72

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	95	95
MEAN =	0.381	0.476
STD. DEV.=	0.520	0.585
SUM X'S =	36.254	45.249
SUM X*X =	39.340	53.790
MAXIMUM =	1.750	3.500
MINIMUM =	-1.000	-1.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 7 6
NUMBER BORDERLINE= 5 8
NUMBER PASSED = 83 81

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 1 2
NUMBER BORDERLINE= 3 1
NUMBER PASSED = 91 92

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 1
NUMBER BORDERLINE= 3
NUMBER PASSED = 91

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	0	0
NUMBER BORDERLINE=	0	2	4
NUMBER PASSED =	95	93	91

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	95	94
MEAN =	35.789	42.031
STD. DEV.=	3.869	7.007
SUM X'S =	3400.000	3951.000
SUM X*X =	123092.050	170635.040
MAXIMUM =	40	66
MINIMUM =	23	32

NUMBER OF GIRLS IN SAMPLE= 80
 NUMBER OF BOYS IN SAMPLE= 110
 GRADE K 1 2 3 4 5 6
 NUMBER 0 0 0 34 53 50 53

High Math
Total
 SP 0

DATA FOR FAR VA--O.D., O.S., O.U.
 NUMBER = 189 190 190
 MEAN = 0.949 0.950 0.962
 STD. DEV.= 0.189 0.185 0.169
 SUM X'S = 179.466 180.566 182.966
 SUM X*X = 177.193 178.116 181.596
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 60 20/ 60 20/ 60
 NUMBER FAILED = 13
 NUMBER BORDERLINE= 33
 NUMBER PASSED = 144

DATA FOR NEAR VA--O.D., O.S., O.U.
 NUMBER = 189 190 190
 MEAN = 0.945 0.940 0.958
 STD. DEV.= 0.123 0.131 0.109
 SUM X'S = 178.766 178.766 182.133
 SUM X*X = 171.974 171.474 176.862
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 40 20/ 40 20/ 30
 NUMBER FAILED = 4
 NUMBER BORDERLINE= 33
 NUMBER PASSED = 153

DATA FOR STEREOPSIS
 NUMBER FAILED = 5
 NUMBER BORDERLINE= 4
 NUMBER PASSED = 180

DATA FOR COLOR VISION
 NUMBER FAILED = 7
 NUMBER BORDERLINE= 1
 NUMBER PASSED = 122

DATA FOR DISTANCE ROCK
 NUMBER = 99
 MEAN = 25.456
 STD. DEV.= 5.758
 SUM X'S = 2520.164
 SUM X*X = 67403.191
 MAXIMUM = 48
 MINIMUM = 14
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 23
 NUMBER PASSED = 76

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	185	185	185
MEAN	=	2.059	3.475	1.380
STD. DEV.	=	1.482	2.016	1.317
SUM X'S	=	381.000	643.000	255.384
SUM X*X	=	1189.000	2983.000	671.832
MAXIMUM	=	12	14	10.285
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	5		
NUMBER BORDERLINE	=	26		
NUMBER PASSED	=	154		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	13	30	0
MEAN	=	4.076	2.533	9999.000
STD. DEV.	=	3.662	1.357	0.000
SUM X'S	=	53.000	76.000	0.000
SUM X*X	=	377.000	246.000	0.000
MAXIMUM	=	13	7	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	3	1	0
MEAN	=	23.333	25.000	9999.000
STD. DEV.	=	2.886	0.000	0.000
SUM X'S	=	70.000	25.000	0.000
SUM X*X	=	1650.000	625.000	0.000
MAXIMUM	=	25	25	-1000
MINIMUM	=	20	25	1000

NUMBER SHOWING ORTHOPHORIA= 142

FOR FAR COVER TEST DATA

NUMBER FAILED	=	8
NUMBER BORDERLINE	=	8
NUMBER PASSED	=	173

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	25	76	0
MEAN	=	4.440	4.000	9999.000
STD. DEV.	=	3.708	2.566	0.000
SUM X'S	=	111.000	304.000	0.000
SUM X*X	=	823.000	1710.000	0.000
MAXIMUM	=	17	14	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXO	VERTICAL
NUMBER =	3	2	0
MEAN =	22.333	15.000	9999.000
STD. DEV.=	11.676	14.142	0.000
SUM X'S =	67.000	30.000	0.000
SUM X*X =	1769.000	650.000	0.000
MAXIMUM =	35	25	-1000
MINIMUM =	12	5	1000

NUMBER SHOWING ORTHOPHORIA= 62

FOR NEAR COVER TEST DATA

NUMBER FAILED =	16
NUMBER BORDERLINE=	14
NUMBER PASSED =	158

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	15
NUMBER PASSED =	173

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	2
NUMBER BORDERLINE=	12
NUMBER PASSED =	176

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	188	188
MEAN =	-0.679	-0.688
STD. DEV.=	0.436	0.447
SUM X'S =	-127.769	-129.519
SUM X*X =	122.449	126.762
MAXIMUM =	0.500	0.750
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	3	4
NUMBER BORDERLINE=	19	20
NUMBER PASSED =	166	164

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	190	190
MEAN =	0.387	0.431
STD. DEV.=	0.667	0.633
SUM X'S =	75.603	81.914
SUM X*X =	112.781	111.084
MAXIMUM =	2.000	2.500
MINIMUM =	-4.000	-2.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 20 22
NUMBER BORDERLINE= 14 18
NUMBER PASSED = 156 150

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 4 0
NUMBER BORDERLINE= 2 7
NUMBER PASSED = 184 183

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 2
NUMBER BORDERLINE= 4
NUMBER PASSED = 184

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 0	6	1
NUMBER BORDERLINE	= 1	3	6
NUMBER PASSED	= 189	181	183

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 189	190
MEAN	= 59.089	64.552
STD. DEV.	= 6.863	3.499
SUM X'S	= 11168.003	12265.002
SUM X*X	= 668772.040	794053.010
MAXIMUM	= 71	75
MINIMUM	= 33	60

H. 2/ 1, 3

NUMBER OF GIRLS IN SAMPLE= 13
 NUMBER OF BOYS IN SAMPLE= 21
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 34 0 0 0

DATA FOR FAR VA--O.D., O.S., O.U.
 NUMBER = 34 34 34
 MEAN = 0.929 0.924 0.942
 STD. DEV.= 0.160 0.155 0.125
 SUM X'S = 31.599 31.433 32.033
 SUM X*X = 30.219 29.858 30.698
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 50 20/ 50 20/ 40
 NUMBER FAILED = 3
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 26

DATA FOR NEAR VA--O.D., O.S., O.U.
 NUMBER = 34 34 34
 MEAN = 0.974 0.954 0.984
 STD. DEV.= 0.085 0.112 0.065
 SUM X'S = 33.133 32.466 33.466
 SUM X*X = 32.528 31.417 33.084
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 30 20/ 30 20/ 30
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 29

DATA FOR STEREOPSIS
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 33

DATA FOR COLOR VISION
 NUMBER FAILED = 2
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 22

DATA FOR DISTANCE ROCK
 NUMBER = 12
 MEAN = 21.216
 STD. DEV.= 3.349
 SUM X'S = 254.601
 SUM X*X = 5525.242
 MAXIMUM = 27
 MINIMUM = 16
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 6
 NUMBER PASSED = 6

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	33	33	33
MEAN	=	1.878	3.424	1.185
STD. DEV.	=	1.082	1.785	0.986
SUM X'S	=	62.000	113.000	39.107
SUM X*X	=	154.000	489.000	77.508
MAXIMUM	=	5	7	4.166
MINIMUM	=	1	1	0.250
NUMBER FAILED	=	0		
NUMBER BORDERLINE	=	5		
NUMBER PASSED	=	28		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	2	5	0
MEAN	=	2.000	2.000	9999.000
STD. DEV.	=	1.414	0.707	0.000
SUM X'S	=	4.000	10.000	0.000
SUM X*X	=	10.000	22.000	0.000
MAXIMUM	=	3	3	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	0	1	0
MEAN	=	9999.000	25.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	0.000	25.000	0.000
SUM X*X	=	0.000	625.000	0.000
MAXIMUM	=	-1000	25	-1000
MINIMUM	=	1000	25	1000

NUMBER SHOWING ORTHOPHORIA= 26

FOR FAR COVER TEST DATA

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	33

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	4	12	0
MEAN	=	2.250	3.250	9999.000
STD. DEV.	=	0.957	2.301	0.000
SUM X'S	=	9.000	39.000	0.000
SUM X*X	=	23.000	185.000	0.000
MAXIMUM	=	3	9	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	0	1	0
MEAN =	9999.000	25.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	0.000	25.000	0.000
SUM X*X =	0.000	625.000	0.000
MAXIMUM =	-1000	25	-1000
MINIMUM =	1000	25	1000

NUMBER SHOWING ORTHOPHORIA= 16

FOR NEAR COVER TEST DATA

NUMBER FAILED =	1
NUMBER BORDERLINE=	4
NUMBER PASSED =	28

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	0
NUMBER BORDERLINE=	1
NUMBER PASSED =	33

DATA FOR NEAR-FAK FIXATION EYE MOVEMENTS

NUMBER FAILED =	0
NUMBER BORDERLINE=	0
NUMBER PASSED =	34

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	33	33
MEAN =	-0.795	-0.810
STD. DEV.=	0.519	0.521
SUM X'S =	-26.239	-26.739
SUM X*X =	29.508	30.383
MAXIMUM =	0.500	0.500
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	2	2
NUMBER BORDERLINE=	6	6
NUMBER PASSED =	25	25

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	34	34
MEAN =	0.426	0.470
STD. DEV.=	0.454	0.487
SUM X'S =	14.500	16.000
SUM X*X =	13.000	15.375
MAXIMUM =	1.250	1.250
MINIMUM =	-0.750	-1.000

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 1 1
 NUMBER BORDERLINE= 2 2
 NUMBER PASSED = 31 31
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 0 0
 NUMBER BORDERLINE= 0 0
 NUMBER PASSED = 34 34
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 34

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	0	0
NUMBER BORDERLINE=	0	1	0
NUMBER PASSED =	34	33	34

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	33	34
MEAN =	59.121	63.029
STD. DEV.=	7.012	2.418
SUM X'S =	1951.000	2143.000
SUM X*X =	116919.040	135265.050
MAXIMUM =	69	68
MINIMUM =	40	60

High Math
G-4

NUMBER OF GIRLS IN SAMPLE=	31							
NUMBER OF BOYS IN SAMPLE=	22							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	0	53	0	0	0

DATA FOR FAR VA--0.D., 0.S., 0.U.

NUMBER	=	52	53	53
MEAN	=	0.938	0.935	0.935
STD. DEV.	=	0.164	0.163	0.163
SUM X'S	=	48.799	49.599	49.599
SUM X*X	=	47.173	47.813	47.813
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/ 60	20/ 60	20/ 60
NUMBER FAILED	=	1		
NUMBER BORDERLINE	=	13		
NUMBER PASSED	=	39		

DATA FOR NEAR VA--0.D., 0.S., 0.U.

NUMBER	=	52	53	53
MEAN	=	0.951	0.946	0.962
STD. DEV.	=	0.124	0.129	0.106
SUM X'S	=	49.499	50.166	50.999
SUM X*X	=	47.916	48.361	49.666
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 40	20/ 40	20/ 30
NUMBER FAILED	=	2		
NUMBER BORDERLINE	=	7		
NUMBER PASSED	=	44		

DATA FOR STEREOPSIS

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	51

DATA FOR COLOR VISION

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	28

DATA FOR DISTANCE ROCK

NUMBER	=	27
MEAN	=	22.703
STD. DEV.	=	4.895
SUM X'S	=	613.001
SUM X*X	=	14540.559
MAXIMUM	=	34
MINIMUM	=	14
NUMBER FAILED	=	0
NUMBER BORDERLINE	=	11
NUMBER PASSED	=	16

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	50	50	50
MEAN	=	2.419	3.799	1.694
STD. DEV.	=	2.051	2.515	1.875
SUM X'S	=	121.000	190.000	84.709
SUM X*X	=	499.000	1032.000	315.690
MAXIMUM	=	12	14	10.285
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	3		
NUMBER BORDERLINE	=	7		
NUMBER PASSED	=	40		

DATA FOR FAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	4	7	0
MEAN	=	6.500	3.142	9999.000
STD. DEV.	=	4.509	1.951	0.000
SUM X'S	=	26.000	22.000	0.000
SUM X*X	=	230.000	92.000	0.000
MAXIMUM	=	13	7	-1000
MINIMUM	=	3	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESU	EXO	VERTICAL
NUMBER	=	1	0	0
MEAN	=	20.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	20.000	0.000	0.000
SUM X*X	=	400.000	0.000	0.000
MAXIMUM	=	20	-1000	-1000
MINIMUM	=	20	1000	1000

NUMBER SHOWING ORTHOPHORIA= 40

FOR FAR COVER TEST DATA

NUMBER FAILED	=	4
NUMBER BORDERLINE	=	2
NUMBER PASSED	=	46

DATA FOR NEAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	9	19	0
MEAN	=	5.777	3.421	9999.000
STD. DEV.	=	5.238	1.387	0.000
SUM X'S	=	52.000	65.000	0.000
SUM X*X	=	520.000	257.000	0.000
MAXIMUM	=	17	7	-1000
MINIMUM	=	1	2	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXO	VERTICAL
NUMBER =	1	1	0
MEAN =	20.000	5.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	20.000	5.000	0.000
SUM X*X =	400.000	25.000	0.000
MAXIMUM =	20	5	-1000
MINIMUM =	20	5	1000

NUMBER SHOWING ORTHOPHORIA= 22

FOR NEAR COVER TEST DATA

NUMBER FAILED =	6
NUMBER BORDERLINE=	3
NUMBER PASSED =	43

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	0
NUMBER BORDERLINE=	6
NUMBER PASSED =	47

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	5
NUMBER PASSED =	47

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	53	53
MEAN =	-0.678	-0.716
STD. DEV.=	0.429	0.434
SUM X'S =	-35.979	-37.979
SUM X*X =	34.027	37.027
MAXIMUM =	0.500	0.250
MINIMUM =	-1.500	-1.750
NUMBER FAILED =	0	1
NUMBER BORDERLINE=	6	7
NUMBER PASSED =	47	45

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	53	53
MEAN =	0.450	0.459
STD. DEV.=	0.640	0.677
SUM X'S =	23.875	24.375
SUM X*X =	32.078	35.078
MAXIMUM =	2.000	2.500
MINIMUM =	-1.250	-1.500

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 7 8
 NUMBER BORDERLINE = 5 6
 NUMBER PASSED = 41 39

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 2 0
 NUMBER BORDERLINE = 1 3
 NUMBER PASSED = 50 50

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 0
 NUMBER BORDERLINE = 1
 NUMBER PASSED = 52

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	2	1
NUMBER BORDERLINE =	0	0	2
NUMBER PASSED =	53	51	50

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	53	53
MEAN =	60.075	64.528
STD. DEV. =	7.725	3.214
SUM X'S =	3184.000	3420.000
SUM X*X =	194384.030	221224.000
PER. PO =	72	71
PER. SUP =	55	60

4.1.13.1

NUMBER OF GIRLS IN SAMPLE= 19
 NUMBER OF BOYS IN SAMPLE= 31
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 0 0 50 0 0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER = 50 50 50
 MEAN = 0.942 0.947 0.963
 STD. DEV.= 0.219 0.209 0.189
 SUM X'S = 47.133 47.399 48.199
 SUM X*X = 46.802 47.086 48.226
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 60 20/ 60 20/ 60
 NUMBER FAILED = 5
 NUMBER BORDERLINE= 7
 NUMBER PASSED = 38

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER = 50 50 50
 MEAN = 0.953 0.959 0.973
 STD. DEV.= 0.116 0.109 0.091
 SUM X'S = 47.666 47.999 48.666
 SUM X*X = 46.111 46.666 47.777
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 30 20/ 30 20/ 30
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 8
 NUMBER PASSED = 42

DATA FOR STEREOPSIS

NUMBER FAILED = 3
 NUMBER BORDERLINE= 1
 NUMBER PASSED = 46

DATA FOR COLOR VISION

NUMBER FAILED = 1
 NUMBER BORDERLINE= 1
 NUMBER PASSED = 32

DATA FOR DISTANCE ROCK

NUMBER = 23
 MEAN = 26.897
 STD. DEV.= 5.166
 SUM X'S = 618.653
 SUM X*X = 17227.792
 MAXIMUM = 38
 MINIMUM = 19
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 20

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	50	50	50
MEAN	=	2.000	3.280	1.381
STD. DEV.	=	1.228	1.629	1.129
SUM X'S	=	100.000	164.000	69.076
SUM X*X	=	274.000	668.000	157.889
MAXIMUM	=	6	8	5.142
MINIMUM	=	1	1	0.250
NUMBER FAILED	=	1		
NUMBER BORDERLINE	=	6		
NUMBER PASSED	=	43		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	4	10	0
MEAN	=	4.500	2.699	9999.000
STD. DEV.	=	3.872	1.337	0.000
SUM X'S	=	18.000	27.000	0.000
SUM X*X	=	126.000	89.000	0.000
MAXIMUM	=	10	4	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EX0	VERTICAL
NUMBER	=	2	0	0
MEAN	=	25.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	50.000	0.000	0.000
SUM X*X	=	1250.000	0.000	0.000
MAXIMUM	=	25	-1000	-1000
MINIMUM	=	25	1000	1000

NUMBER SHOWING ORTHOPHORIA= 34

FOR FAR COVER TEST DATA

NUMBER FAILED = 3
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 42

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EX0	VERTICAL
NUMBER	=	5	23	0
MEAN	=	5.000	4.565	9999.000
STD. DEV.	=	2.828	3.341	0.000
SUM X'S	=	25.000	105.000	0.000
SUM X*X	=	157.000	725.000	0.000
MAXIMUM	=	8	14	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXO	VERTICAL
NUMBER =	2	0	0
MEAN =	23.500	9999.000	9999.000
STD. DEV.=	16.263	0.000	0.000
SUM X'S =	47.000	0.000	0.000
SUM X*X =	1369.000	0.000	0.000
MAXIMUM =	35	-1000	-1000
MINIMUM =	12	1000	1000

NUMBER SHOWING ORTHOPHORIA= 20

FOR NEAR COVER TEST DATA

NUMBER FAILED =	6
NUMBER BORDERLINE=	3
NUMBER PASSED =	41

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	2
NUMBER PASSED =	46

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	4
NUMBER PASSED =	45

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	50	50
MEAN =	-0.621	-0.606
STD. DEV.=	0.472	0.503
SUM X'S =	-31.099	-30.349
SUM X*X =	30.266	30.829
MAXIMUM =	0.000	0.750
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	1	1
NUMBER BORDERLINE=	4	4
NUMBER PASSED =	45	45

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	50	50
MEAN =	0.367	0.510
STD. DEV.=	0.775	0.563
SUM X'S =	18.395	25.539
SUM X*X =	36.217	28.631
MAXIMUM =	1.500	1.750
MINIMUM =	-4.000	-0.750

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED	=	3	3
NUMBER BORDERLINE	=	3	7
NUMBER PASSED	=	44	40

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED	=	0	0
NUMBER BORDERLINE	=	1	2
NUMBER PASSED	=	49	48

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	48

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 0	2	0
NUMBER BORDERLINE	= 1	2	2
NUMBER PASSED	= 49	46	48

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 50	50
MEAN	= 57.840	65.319
STD. DEV.	= 7.802	3.158
SUM X'S	= 2892.000	3266.000
SUM X*X	= 170256.010	213824.030
MAXIMUM	= 71	71
MINIMUM	= 33	61

4/10/11

NUMBER OF GIRLS IN SAMPLE= 17
 NUMBER OF BOYS IN SAMPLE= 36
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 0 0 53 0

DATA FOR FAR VA--0.D., 0.S., 0.U.
 NUMBER = 53 53 53
 MEAN = 0.979 0.983 1.002
 STD. DEV.= 0.201 0.199 0.174
 SUM X'S = 51.933 52.133 53.133
 SUM X*X = 52.997 53.357 54.857
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 50 20/ 50 20/ 50
 NUMBER FAILED = 4
 NUMBER BORDERLINE= 8
 NUMBER PASSED = 41

DATA FOR NEAR VA--0.D., 0.S., 0.U.
 NUMBER = 53 53 53
 MEAN = 0.914 0.908 0.924
 STD. DEV.= 0.145 0.159 0.140
 SUM X'S = 48.466 48.133 48.999
 SUM X*X = 45.417 45.028 46.333
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 30 20/ 40 20/ 30
 NUMBER FAILED = 2
 NUMBER BORDERLINE= 13
 NUMBER PASSED = 38

DATA FOR STEREOPSIS
 NUMBER FAILED = 1
 NUMBER BORDERLINE= 2
 NUMBER PASSED = 50

DATA FOR COLOR VISION
 NUMBER FAILED = 2
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 40

DATA FOR DISTANCE ROCK
 NUMBER = 37
 MEAN = 27.343
 STD. DEV.= 5.817
 SUM X'S = 1033.911
 SUM X*X = 30109.637
 MAXIMUM = 48
 MINIMUM = 18
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 34

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	52	52	52
MEAN	=	1.884	3.384	1.201
STD. DEV.	=	1.231	1.971	0.943
SUM X'S	=	98.000	176.000	62.491
SUM X*X	=	262.000	794.000	120.548
MAXIMUM	=	5	9	3.571
MINIMUM	=	1	1	0.250
NUMBER FAILED	=	1		
NUMBER BORDERLINE	=	8		
NUMBER PASSED	=	43		

DATA FOR FAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	5	8	0
MEAN	=	1.666	2.125	9999.000
STD. DEV.	=	1.154	0.991	0.000
SUM X'S	=	5.000	17.000	0.000
SUM X*X	=	11.000	43.000	0.000
MAXIMUM	=	3	4	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESU	EXO	VERTICAL
NUMBER	=	0	0	0
MEAN	=	9999.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	0.000	0.000	0.000
SUM X*X	=	0.000	0.000	0.000
MAXIMUM	=	-1000	-1000	-1000
MINIMUM	=	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 42

FOR FAR COVER TEST DATA

NUMBER FAILED	=	0
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	52

DATA FOR NEAR COVER TEST, PHORIAS

		ESU	EXO	VERTICAL
NUMBER	=	7	22	0
MEAN	=	3.571	4.318	9999.000
STD. DEV.	=	2.370	2.514	0.000
SUM X'S	=	25.000	95.000	0.000
SUM X*X	=	123.000	543.000	0.000
MAXIMUM	=	8	10	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	0	0	0
MEAN =	9999.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	0.000	0.000	0.000
SUM X*X =	0.000	0.000	0.000
MAXIMUM =	-1000	-1000	-1000
MINIMUM =	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 24

FOR NEAR COVER TEST DATA

NUMBER FAILED = 3
 NUMBER BORDERLINE= 4
 NUMBER PASSED = 46

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 0
 NUMBER BORDERLINE= 6
 NUMBER PASSED = 47

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 0
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 50

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	52	52
MEAN =	-0.662	-0.662
STD. DEV.=	0.337	0.334
SUM X'S =	-34.449	-34.449
SUM X*X =	28.646	28.521
MAXIMUM =	0.000	0.000
MINIMUM =	-1.500	-1.500
NUMBER FAILED =	0	0
NUMBER BORDERLINE=	3	3
NUMBER PASSED =	49	49

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	53	53
MEAN =	0.317	0.301
STD. DEV.=	0.708	0.722
SUM X'S =	16.833	16.000
SUM X*X =	31.485	32.000
MAXIMUM =	2.000	2.000
MINIMUM =	-1.500	-2.000

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 9 10
 NUMBER BORDERLINE = 4 3
 NUMBER PASSED = 40 40
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 2 0
 NUMBER BORDERLINE = 0 2
 NUMBER PASSED = 51 51
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 1
 NUMBER BORDERLINE = 2
 NUMBER PASSED = 50

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	2	0
NUMBER BORDERLINE =	0	0	2
NUMBER PASSED =	53	51	51

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	53	53
MEAN =	59.264	64.830
STD. DEV. =	4.524	4.348
SUM X'S =	3141.000	3436.000
SUM X*X =	187213.000	223740.040
MAXIMUM =	69	75
MINIMUM =	47	60

High Math
Girls

NUMBER OF GIRLS IN SAMPLE=	80							
NUMBER OF BOYS IN SAMPLE=	0							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	13	31	19	17	0

DATA FOR FAR VA--0.0., 0.5., 0.0.

NUMBER	=	80	80	80
MEAN	=	0.944	0.944	0.957
STD. DEV.=		0.166	0.169	0.149
SUM X'S	=	75.599	75.599	76.566
SUM X*X	=	73.642	73.702	75.036
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/ 50	20/ 40	20/ 40
NUMBER FAILED	=	5		
NUMBER BORDERLINE=		14		
NUMBER PASSED	=	61		

DATA FOR NEAR VA--0.0., 0.5., 0.0.

NUMBER	=	80	80	80
MEAN	=	0.939	0.932	0.947
STD. DEV.=		0.128	0.137	0.120
SUM X'S	=	75.133	74.633	75.799
SUM X*X	=	71.862	71.112	72.973
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 30	20/ 40	20/ 30
NUMBER FAILED	=	1		
NUMBER BORDERLINE=		16		
NUMBER PASSED	=	63		

DATA FOR STEREOPSIS

NUMBER FAILED	=	2
NUMBER BORDERLINE=		1
NUMBER PASSED	=	77

DATA FOR COLOR VISION

NUMBER FAILED	=	0
NUMBER BORDERLINE=		0
NUMBER PASSED	=	26

DATA FOR DISTANCE ROCK

NUMBER	=	38
MEAN	=	25.620
STD. DEV.=		5.991
SUM X'S	=	973.580
SUM X*X	=	26271.831
MAXIMUM	=	48
MINIMUM	=	18
NUMBER FAILED	=	0
NUMBER BORDERLINE=		9
NUMBER PASSED	=	29

DATA FOR NEAR POINT OF CONVERGENCE--BREAK, RECOVERY, AND RATIO

NUMBER	=	76	76	76
MEAN	=	2.250	3.605	1.583
STD. DEV.	=	1.848	2.366	1.699
SUM X'S	=	171.000	274.000	120.332
SUM X*X	=	641.000	1408.000	407.080
MAXIMUM	=	12	14	10.285
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	4		
NUMBER BORDERLINE	=	11		
NUMBER PASSED	=	61		

DATA FOR FAR COVER TEST, PHORIAS

	ESU	EXO	VERTICAL	
NUMBER	=	5	11	0
MEAN	=	3.333	2.636	9999.000
STD. DEV.	=	0.577	1.120	0.000
SUM X'S	=	16.000	29.000	0.000
SUM X*X	=	34.000	89.000	0.000
MAXIMUM	=	4	4	-1000
MINIMUM	=	3	1	1000

DATA FOR FAR COVER TEST, TROPIAS

	ESU	EXO	VERTICAL	
NUMBER	=	1	0	0
MEAN	=	25.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	25.000	0.000	0.000
SUM X*X	=	625.000	0.000	0.000
MAXIMUM	=	25	-1000	-1000
MINIMUM	=	25	1000	1000

NUMBER SHOWING ORTHOPHORIA= 64

FOR FAR COVER TEST DATA

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	4
NUMBER PASSED	=	74

DATA FOR NEAR COVER TEST, PHORIAS

	ESU	EXO	VERTICAL	
NUMBER	=	10	33	0
MEAN	=	4.200	3.848	9999.000
STD. DEV.	=	2.973	2.873	0.000
SUM X'S	=	42.000	127.000	0.000
SUM X*X	=	256.000	753.000	0.000
MAXIMUM	=	8	14	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	1	0	0
MEAN =	35.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	35.000	0.000	0.000
SUM X*X =	1225.000	0.000	0.000
MAXIMUM =	35	-1000	-1000
MINIMUM =	35	1000	1000

NUMBER SHOWING ORTHOPHORIA= 35

FOR NEAR COVER TEST DATA

NUMBER FAILED = 7
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 69

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 74

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 75

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	79	79
MEAN =	-0.676	-0.708
STD. DEV.=	0.413	0.413
SUM X'S =	-53.459	-55.959
SUM X*X =	49.495	52.995
MAXIMUM =	0.500	0.000
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	1	2
NUMBER BORDERLINE=	7	7
NUMBER PASSED =	71	70

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	60	80
MEAN =	0.388	0.414
STD. DEV.=	0.585	0.612
SUM X'S =	31.083	33.129
SUM X*X =	39.173	43.386
MAXIMUM =	2.000	2.500
MINIMUM =	-1.250	-1.500

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 9 9
NUMBER BORDERLINE= 5 7
NUMBER PASSED = 66 64

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 2 0
NUMBER BORDERLINE= 1 3
NUMBER PASSED = 77 77

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 1
NUMBER BORDERLINE= 1
NUMBER PASSED = 78

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	4	1
NUMBER BORDERLINE=	1	1	1
NUMBER PASSED =	79	75	78

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	80	80
MEAN =	59.337	64.074
STD. DEV.=	6.741	3.267
SUM X'S =	4747.000	5126.000
SUM X*X =	285265.020	329292.050
MAXIMUM =	70	75
MINIMUM =	35	60

High Math
Boys

NUMBER OF GIRLS IN SAMPLE= 0
NUMBER OF BOYS IN SAMPLE= 110
GRADE K 1 2 3 4 5 6 SP
NUMBER 0 0 0 21 22 31 36 0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER = 109 110 110
MEAN = 0.952 0.954 0.967
STD. DEV.= 0.205 0.197 0.182
SUM X'S = 103.866 104.966 106.399
SUM X*X = 103.551 104.414 106.559
MAXIMUM = 20/ 15 20/ 15 20/ 15
MINIMUM = 20/ 60 20/ 60 20/ 60
NUMBER FAILED = 8
NUMBER BORDERLINE= 19
NUMBER PASSED = 83

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER = 109 110 110
MEAN = 0.950 0.946 0.966
STD. DEV.= 0.121 0.127 0.100
SUM X'S = 103.633 104.133 106.333
SUM X*X = 100.112 100.362 103.888
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 40 20/ 40 20/ 30
NUMBER FAILED = 3
NUMBER BORDERLINE= 17
NUMBER PASSED = 90

DATA FOR STEREOPSIS

NUMBER FAILED = 3
NUMBER BORDERLINE= 3
NUMBER PASSED = 103

DATA FOR COLOR VISION

NUMBER FAILED = 7
NUMBER BORDERLINE= 1
NUMBER PASSED = 96

DATA FOR DISTANCE ROCK

NUMBER = 61
MEAN = 25.353
STD. DEV.= 5.656
SUM X'S = 1546.586
SUM X*X = 41161.383
MAXIMUM = 36
MINIMUM = 14
NUMBER FAILED = 0
NUMBER BORDERLINE= 14
NUMBER PASSED = 47

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	109	109	109
MEAN	=	1.926	3.385	1.239
STD. DEV.=		1.152	1.736	0.949
SUM X'S	=	210.000	369.000	135.052
SUM X*X	=	548.000	1575.000	264.755
MAXIMUM	=	5	8	4.166
MINIMUM	=	1	1	0.250
NUMBER FAILED	=	1		
NUMBER BORDERLINE	=	15		
NUMBER PASSED	=	93		

DATA FOR FAR COVER TEST, PHORIAS

	ESU	EXO	VERTICAL
NUMBER	= 10	19	0
MEAN	= 4.299	2.473	9999.000
STD. DEV.=	4.191	1.504	0.000
SUM X'S	= 43.000	47.000	0.000
SUM X*X	= 340.000	157.000	0.000
MAXIMUM	= 13	7	-1000
MINIMUM	= 1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

	ESU	EXO	VERTICAL
NUMBER	= 2	1	0
MEAN	= 22.500	25.000	9999.000
STD. DEV.=	3.535	0.000	0.000
SUM X'S	= 45.000	25.000	0.000
SUM X*X	= 1025.000	625.000	0.000
MAXIMUM	= 25	25	-1000
MINIMUM	= 20	25	1000

NUMBER SHOWING ORTHOPHORIA= 78

FOR FAR COVER TEST DATA

NUMBER FAILED	=	7
NUMBER BORDERLINE	=	4
NUMBER PASSED	=	99

DATA FOR NEAR COVER TEST, PHORIAS

	ESU	EXO	VERTICAL
NUMBER	= 15	43	0
MEAN	= 4.599	4.116	9999.000
STD. DEV.=	4.222	2.332	0.000
SUM X'S	= 69.000	177.000	0.000
SUM X*X	= 567.000	957.000	0.000
MAXIMUM	= 17	10	-1000
MINIMUM	= 1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXU	VERTICAL
NUMBER =	2	2	0
MEAN =	16.000	15.000	9999.000
STD. DEV.=	5.656	14.142	0.000
SUM X'S =	32.000	30.000	0.000
SUM X*X =	544.000	650.000	0.000
MAXIMUM =	20	25	-1000
MINIMUM =	12	5	1000

NUMBER SHOWING ORTHOPHORIA= 47

FOR NEAR COVER TEST DATA

NUMBER FAILED =	9
NUMBER BORDERLINE=	11
NUMBER PASSED =	89

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	0
NUMBER BORDERLINE=	10
NUMBER PASSED =	99

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	0
NUMBER BORDERLINE=	9
NUMBER PASSED =	101

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	109	109
MEAN =	-0.681	-0.674
STD. DEV.=	0.454	0.472
SUM X'S =	-74.309	-73.559
SUM X*X =	72.954	73.767
MAXIMUM =	0.500	0.750
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	2	2
NUMBER BORDERLINE=	12	13
NUMBER PASSED =	95	94

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	110	110
MEAN =	0.386	0.443
STD. DEV.=	0.724	0.650
SUM X'S =	42.520	48.784
SUM X*X =	73.607	67.697
MAXIMUM =	2.000	2.000
MINIMUM =	-4.000	-2.000

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 11 13
 NUMBER BORDERLINE= 9 11
 NUMBER PASSED = 90 86
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 2 0
 NUMBER BORDERLINE= 1 4
 NUMBER PASSED = 107 106
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 1
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 106

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	2	0
NUMBER BORDERLINE=	0	2	5
NUMBER PASSED =	110	106	105

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	109	110
MEAN =	58.908	64.899
STD. DEV.=	6.976	3.634
SUM X'S =	6421.000	7139.000
SUM X*X =	383507.010	464761.010
MAXIMUM =	71	75
MINIMUM =	33	60

Low 11.1.

NUMBER OF GIRLS IN SAMPLE= 83
 NUMBER OF BOYS IN SAMPLE= 87
 GRADE K 1 2 3 4 5 6 SF
 NUMBER 0 0 0 31 39 53 47 0

DATA FOR FAR VA--O.D., O.S., O.U.
 NUMBER = 170 170 170
 MEAN = 0.929 0.931 0.947
 STD. DEV.= 0.197 0.193 0.184
 SUM X'S = 157.951 156.351 161.132
 SUM X*X = 153.334 153.814 158.499
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 70 20/ 70 20/ 60
 NUMBER FAILED = 12
 NUMBER BORDERLINE= 40
 NUMBER PASSED = 118

DATA FOR NEAR VA--O.D., O.S., O.U.
 NUMBER = 170 170 170
 MEAN = 0.888 0.885 0.906
 STD. DEV.= 0.184 0.185 0.169
 SUM X'S = 150.982 150.599 154.099
 SUM X*X = 139.871 139.224 144.529
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 80 20/ 60 20/ 60
 NUMBER FAILED = 15
 NUMBER BORDERLINE= 40
 NUMBER PASSED = 115

DATA FOR STEREOPSIS
 NUMBER FAILED = 11
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 155

DATA FOR COLOR VISION
 NUMBER FAILED = 10
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 96

DATA FOR DISTANCE ROCK
 NUMBER = 83
 MEAN = 22.403
 STD. DEV.= 5.346
 SUM X'S = 1859.500
 SUM X*X = 44003.766
 MAXIMUM = 36
 MINIMUM = 11
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 36
 NUMBER PASSED = 47

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	166	166	166
MEAN	=	2.295	3.891	1.564
STD. DEV.=		2.333	2.732	2.195
SUM X'S	=	381.000	646.000	259.734
SUM X*X	=	1773.000	3746.000	1201.496
MAXIMUM	=	20	20	20.000
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	15		
NUMBER BORDERLINE	=	19		
NUMBER PASSED	=	132		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	10	37	0
MEAN	=	2.799	2.646	9999.000
STD. DEV.=		2.740	2.311	0.000
SUM X'S	=	28.000	98.000	0.000
SUM X*X	=	146.000	452.000	0.000
MAXIMUM	=	10	15	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EXO	VERTICAL
NUMBER	=	5	1	0
MEAN	=	11.400	12.000	9999.000
STD. DEV.=		4.615	0.000	0.000
SUM X'S	=	57.000	12.000	0.000
SUM X*X	=	735.000	144.000	0.000
MAXIMUM	=	15	12	-1000
MINIMUM	=	4	12	1000

NUMBER SHOWING ORTHOPHORIA= 116

FOR FAR COVER TEST DATA

NUMBER FAILED	=	9
NUMBER BORDERLINE	=	3
NUMBER PASSED	=	157

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	26	82	1
MEAN	=	3.692	4.085	2.000
STD. DEV.=		2.881	2.539	0.000
SUM X'S	=	96.000	335.000	2.000
SUM X*X	=	562.000	1891.000	4.000
MAXIMUM	=	14	15	2
MINIMUM	=	1	1	2

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXO	VERTICAL
NUMBER =	5	3	0
MEAN =	13.800	10.666	9999.000
STD. DEV.=	6.140	1.154	0.000
SUM X'S =	69.000	32.000	0.000
SUM X*X =	1103.000	344.000	0.000
MAXIMUM =	20	12	-1000
MINIMUM =	5	10	1000

NUMBER SHOWING ORTHOPHORIA= 52

FOR NEAR COVER TEST DATA

NUMBER FAILED = 16
 NUMBER BORDERLINE= 20
 NUMBER PASSED = 133

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 4
 NUMBER BORDERLINE= 14
 NUMBER PASSED = 152

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 5
 NUMBER BORDERLINE= 16
 NUMBER PASSED = 149

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	168	168
MEAN =	-0.811	-0.843
STD. DEV.=	0.481	0.440
SUM X'S =	-136.259	-141.769
SUM X*X =	149.181	152.099
MAXIMUM =	1.500	0.250
MINIMUM =	-2.250	-2.000
NUMBER FAILED =	8	8
NUMBER BORDERLINE=	29	32
NUMBER PASSED =	131	128

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	170	170
MEAN =	0.412	0.455
STD. DEV.=	0.597	0.688
SUM X'S =	70.057	77.512
SUM X*X =	89.290	115.444
MAXIMUM =	2.250	4.500
MINIMUM =	-1.250	-1.500

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 18 19
NUMBER BORDERLINE= 11 7
NUMBER PASSED = 141 144

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 5 8
NUMBER BORDERLINE= 2 5
NUMBER PASSED = 163 157

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 5
NUMBER BORDERLINE= 5
NUMBER PASSED = 160

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	2	3	1
NUMBER BORDERLINE=	2	3	7
NUMBER PASSED =	166	164	162

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	167	170
MEAN =	41.461	36.511
STD. DEV.=	7.882	2.750
SUM X'S =	6924.000	6207.000
SUM X*X =	297392.010	227907.000
MAXIMUM =	66	40
MINIMUM =	23	28

GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	31	0	0	0	0

DATA FOR FAR VA--O.U., O.S., O.U.

NUMBER	=	31	31	31
MEAN	=	0.927	0.916	0.932
STD. DEV.	=	0.126	0.141	0.119
SUM X'S	=	28.766	28.399	28.899
SUM X*X	=	27.174	26.620	27.369
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 40	20/ 40	20/ 40
NUMBER FAILED	=	2		
NUMBER BORDERLINE	=	6		
NUMBER PASSED	=	21		

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER	=	31	31	31
MEAN	=	0.892	0.870	0.908
STD. DEV.	=	0.180	0.181	0.160
SUM X'S	=	27.666	26.999	28.166
SUM X*X	=	25.666	24.499	26.361
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 60	20/ 40	20/ 40
NUMBER FAILED	=	2		
NUMBER BORDERLINE	=	9		
NUMBER PASSED	=	20		

DATA FOR STEREOPSIS

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	20

DATA FOR COLOR VISION

NUMBER FAILED	=	3
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	17

DATA FOR DISTANCE ROCK

NUMBER	=	16
MEAN	=	19.795
STD. DEV.	=	4.343
SUM X'S	=	316.720
SUM X*X	=	6552.484
MAXIMUM	=	28
MINIMUM	=	12
NUMBER FAILED	=	0
NUMBER BORDERLINE	=	9
NUMBER PASSED	=	7

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	31	31	31
MEAN	=	2.419	3.838	1.793
STD. DEV.	=	3.836	3.847	3.634
SUM X'S	=	75.000	119.000	55.585
SUM X*X	=	623.000	901.000	540.771
MAXIMUM	=	20	20	20.000
MINIMUM	=	1	1	0.250
NUMBER FAILED	=	2		
NUMBER BORDERLINE	=	0		
NUMBER PASSED	=	29		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	0	6	0
MEAN	=	9999.000	2.166	9999.000
STD. DEV.	=	0.000	0.983	0.000
SUM X'S	=	0.000	13.000	0.000
SUM X*X	=	0.000	33.000	0.000
MAXIMUM	=	-1000	4	-1000
MINIMUM	=	1000	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EXO	VERTICAL
NUMBER	=	1	0	0
MEAN	=	15.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	15.000	0.000	0.000
SUM X*X	=	225.000	0.000	0.000
MAXIMUM	=	15	-1000	-1000
MINIMUM	=	15	1000	1000

NUMBER SHOWING ORTHOPHORIA= 24

FOR FAR COVER TEST DATA

NUMBER FAILED	=	1
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	29

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	2	19	0
MEAN	=	2.500	4.315	9999.000
STD. DEV.	=	2.121	3.180	0.000
SUM X'S	=	5.000	82.000	0.000
SUM X*X	=	17.000	536.000	0.000
MAXIMUM	=	4	15	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESG	EXO	VERTICAL
NUMBER =	1	0	0
MEAN =	20.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	20.000	0.000	0.000
SUM X*X =	400.000	0.000	0.000
MAXIMUM =	20	-1000	-1000
MINIMUM =	20	1000	1000

NUMBER SHOWING ORTHOPHORIA= 9

FOR NEAR COVER TEST DATA

NUMBER FAILED =	2
NUMBER BORDERLINE=	1
NUMBER PASSED =	28

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	2
NUMBER PASSED =	28

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	2
NUMBER BORDERLINE=	3
NUMBER PASSED =	26

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	30	30
MEAN =	-0.911	-0.966
STD. DEV.=	0.402	0.447
SUM X'S =	-27.359	-28.989
SUM X*X =	29.648	33.826
MAXIMUM =	0.000	0.000
MINIMUM =	-1.750	-2.000
NUMBER FAILED =	1	2
NUMBER BORDERLINE=	9	10
NUMBER PASSED =	20	18

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	31	31
MEAN =	0.459	0.532
STD. DEV.=	0.563	0.523
SUM X'S =	14.250	16.500
SUM X*X =	16.062	17.000
MAXIMUM =	1.500	1.500
MINIMUM =	-1.000	-0.750

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED	=	3	4
NUMBER BORDERLINE	=	1	0
NUMBER PASSED	=	27	27

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED	=	0	0
NUMBER BORDERLINE	=	1	1
NUMBER PASSED	=	30	30

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED	=	0
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	31

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED	= 0	0	0
NUMBER BORDERLINE	= 2	0	1
NUMBER PASSED	= 29	31	30

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER	= 30	31
MEAN	= 42.733	35.548
STD. DEV.	= 6.606	2.157
SUM X'S	= 1282.000	1102.000
SUM X*X	= 56932.002	39314.001
MAXIMUM	= 62	39
MINIMUM	= 28	32

L. Math
C 4

NUMBER OF GIRLS IN SAMPLE=	15							
NUMBER OF BOYS IN SAMPLE=	24							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	0	39	0	0	0

DATA FOR FAR VA--O.U., O.S., O.U.

NUMBER	=	39	39	39
MEAN	=	0.908	0.899	0.917
STD. DEV.=		0.193	0.189	0.177
SUM X'S	=	35.433	35.066	35.799
SUM X*X	=	33.618	32.897	34.057
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/ 60	20/ 60	20/ 50
NUMBER FAILED	=	2		
NUMBER BORDERLINE=		14		
NUMBER PASSED	=	23		

DATA FOR NEAR VA--O.U., O.S., O.U.

NUMBER	=	39	39	39
MEAN	=	0.863	0.876	0.888
STD. DEV.=		0.208	0.201	0.192
SUM X'S	=	33.666	34.166	34.666
SUM X*X	=	30.722	31.472	32.222
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 60	20/ 60	20/ 60
NUMBER FAILED	=	5		
NUMBER BORDERLINE=		8		
NUMBER PASSED	=	26		

DATA FOR STEREOPSIS

NUMBER FAILED	=	2
NUMBER BORDERLINE=		0
NUMBER PASSED	=	37

DATA FOR COLOR VISION

NUMBER FAILED	=	2
NUMBER BORDERLINE=		0
NUMBER PASSED	=	23

DATA FOR DISTANCE ROCK

NUMBER	=	27
MEAN	=	20.813
STD. DEV.=		4.067
SUM X'S	=	561.966
SUM X*X	=	12126.755
MAXIMUM	=	28
MINIMUM	=	11
NUMBER FAILED	=	0
NUMBER BORDERLINE=		13
NUMBER PASSED	=	14

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	37	37	37
MEAN	=	2.324	4.027	1.564
STD. DEV.	=	2.211	2.466	2.074
SUM X'S	=	86.000	149.000	57.900
SUM X*X	=	376.000	819.000	245.462
MAXIMUM	=	12	13	11.076
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	4		
NUMBER BORDERLINE	=	6		
NUMBER PASSED	=	27		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	3	7	0
MEAN	=	4.333	3.000	9999.000
STD. DEV.	=	4.932	1.632	0.000
SUM X'S	=	13.000	21.000	0.000
SUM X*X	=	105.000	79.000	0.000
MAXIMUM	=	10	6	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	0	0	0
MEAN	=	9999.000	9999.000	9999.000
STD. DEV.	=	0.000	0.000	0.000
SUM X'S	=	0.000	0.000	0.000
SUM X*X	=	0.000	0.000	0.000
MAXIMUM	=	-1000	-1000	-1000
MINIMUM	=	1000	1000	1000

NUMBER SHOWING ORTHOPHORIA= 28

FOR FAR COVER TEST DATA

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	35

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	9	14	1
MEAN	=	3.888	3.785	2.000
STD. DEV.	=	3.951	1.251	0.000
SUM X'S	=	35.000	53.000	2.000
SUM X*X	=	261.000	221.000	4.000
MAXIMUM	=	14	6	2
MINIMUM	=	1	2	2

DATA FOR NEAR COVER TEST, TROPIAS

	ESU	EXO	VERTICAL
NUMBER =	1	0	0
MEAN =	5.000	9999.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	5.000	0.000	0.000
SUM X*X =	25.000	0.000	0.000
MAXIMUM =	5	-1000	-1000
MINIMUM =	5	1000	1000

NUMBER SHOWING ORTHOPHORIA= 13

FOR NEAR COVER TEST DATA

NUMBER FAILED = 3
 NUMBER BORDERLINE= 7
 NUMBER PASSED = 26

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED = 1
 NUMBER BORDERLINE= 2
 NUMBER PASSED = 36

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED = 2
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 37

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	39	39
MEAN =	-0.768	-0.842
STD. DEV.=	0.383	0.424
SUM X'S =	-29.969	-32.859
SUM X*X =	28.613	34.490
MAXIMUM =	0.250	0.250
MINIMUM =	-1.750	-2.000
NUMBER FAILED =	1	2
NUMBER BORDERLINE=	5	6
NUMBER PASSED =	33	31

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
 CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	39	39
MEAN =	0.435	0.496
STD. DEV.=	0.584	0.849
SUM X'S =	17.000	19.369
SUM X*X =	20.375	37.071
MAXIMUM =	1.500	4.500
MINIMUM =	-1.250	-1.000

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 4 3
NUMBER BORDERLINE= 4 1
NUMBER PASSED = 31 35

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 2 4
NUMBER BORDERLINE= 0 0
NUMBER PASSED = 37 35

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 2
NUMBER BORDERLINE= 2
NUMBER PASSED = 35

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	1	0	0
NUMBER BORDERLINE=	0	2	1
NUMBER PASSED =	38	37	38

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	39	39
MEAN =	41.871	36.923
STD. DEV.=	7.924	2.228
SUM X'S =	1633.000	1440.000
SUM X*X =	70763.003	53358.000
MAXIMUM =	66	39
MINIMUM =	31	32

Low Math
3 - 4

NUMBER OF GIRLS IN SAMPLE= 26
NUMBER OF BOYS IN SAMPLE= 27
GRADE K 1 2 3 4 5 6 SP
NUMBER 0 0 0 0 0 53 0 0

DATA FOR FAR VA--O.D., O.S., O.U.
NUMBER = 53 53 53
MEAN = 0.958 0.958 0.979
STD. DEV.= 0.206 0.201 0.191
SUM X'S = 50.799 50.799 51.899
SUM X*X = 50.913 50.806 52.725
MAXIMUM = 20/ 15 20/ 15 20/ 15
MINIMUM = 20/ 50 20/ 40 20/ 40
NUMBER FAILED = 4
NUMBER BORDERLINE= 9
NUMBER PASSED = 40

DATA FOR NEAR VA--O.D., O.S., O.U.
NUMBER = 53 53 53
MEAN = 0.916 0.905 0.927
STD. DEV.= 0.168 0.180 0.158
SUM X'S = 48.549 47.966 49.166
SUM X*X = 45.952 45.112 46.916
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 80 20/ 60 20/ 60
NUMBER FAILED = 3
NUMBER BORDERLINE= 12
NUMBER PASSED = 38

DATA FOR STEREOPSIS
NUMBER FAILED = 5
NUMBER BORDERLINE= 2
NUMBER PASSED = 46

DATA FOR COLOR VISION
NUMBER FAILED = 3
NUMBER BORDERLINE= 2
NUMBER PASSED = 30

DATA FOR DISTANCE ROCK
NUMBER = 16
MEAN = 22.856
STD. DEV.= 4.475
SUM X'S = 411.419
SUM X*X = 9744.179
MAXIMUM = 30
MINIMUM = 16
NUMBER FAILED = 0
NUMBER BORDERLINE= 8
NUMBER PASSED = 10

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	52	52	52
MEAN	=	2.500	3.807	1.799
STD. DEV.	=	2.014	2.679	1.669
SUM X'S	=	130.000	198.000	93.587
SUM X*X	=	532.000	1120.000	310.601
MAXIMUM	=	10	12	8.333
MINIMUM	=	1	1	0.250
NUMBER FAILED	=	6		
NUMBER BORDERLINE	=	9		
NUMBER PASSED	=	37		

DATA FOR FAR COVER TEST, PHORIAS

	ES0	EXO	VERTICAL	
NUMBER	=	3	9	0
MEAN	=	2.000	2.111	9999.000
STD. DEV.	=	1.000	0.781	0.000
SUM X'S	=	6.000	19.000	0.000
SUM X*X	=	14.000	45.000	0.000
MAXIMUM	=	3	3	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

	ES0	EXO	VERTICAL	
NUMBER	=	2	0	0
MEAN	=	14.000	9999.000	9999.000
STD. DEV.	=	1.414	0.000	0.000
SUM X'S	=	28.000	0.000	0.000
SUM X*X	=	394.000	0.000	0.000
MAXIMUM	=	15	-1000	-1000
MINIMUM	=	13	1000	1000

NUMBER SHOWING ORTHOPHORIA= 39

FOR FAR COVER TEST DATA

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	51

DATA FOR NEAR COVER TEST, PHORIAS

	ES0	EXO	VERTICAL	
NUMBER	=	9	23	0
MEAN	=	4.444	3.608	9999.000
STD. DEV.	=	2.743	1.827	0.000
SUM X'S	=	40.000	83.000	0.000
SUM X*X	=	238.000	373.000	0.000
MAXIMUM	=	8	8	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ES0	EXO	VERTICAL
NUMBER =	1	1	0
MEAN =	17.000	10.000	9999.000
STD. DEV.=	0.000	0.000	0.000
SUM X'S =	17.000	10.000	0.000
SUM X*X =	289.000	100.000	0.000
MAXIMUM =	17	10	-1000
MINIMUM =	17	10	1000

NUMBER SHOWING ORTHOPHORIA= 19

FOR NEAR COVER TEST DATA

NUMBER FAILED =	5
NUMBER BORDERLINE=	6
NUMBER PASSED =	42

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	5
NUMBER PASSED =	47

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	7
NUMBER PASSED =	45

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	52	52
MEAN =	-0.744	-0.816
STD. DEV.=	0.579	0.475
SUM X'S =	-38.719	-42.469
SUM X*X =	45.986	46.233
MAXIMUM =	1.500	0.000
MINIMUM =	-2.000	-2.000
NUMBER FAILED =	2	2
NUMBER BORDERLINE=	9	10
NUMBER PASSED =	41	40

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	53	53
MEAN =	0.417	0.476
STD. DEV.=	0.520	0.647
SUM X'S =	22.119	25.235
SUM X*X =	23.319	33.793
MAXIMUM =	1.750	3.500
MINIMUM =	-1.000	-0.750

EVALUATION BASED ON SPHERE POWER

NUMBER FAILED = 3 5
NUMBER BORDERLINE= 3 3
NUMBER PASSED = 47 45

EVALUATION BASED ON ASTIGMATISM

NUMBER FAILED = 1 2
NUMBER BORDERLINE= 0 3
NUMBER PASSED = 52 48

EVALUATION BASED ON ANISOMETROPIA

NUMBER FAILED = 2
NUMBER BORDERLINE= 1
NUMBER PASSED = 50

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	1	0
NUMBER BORDERLINE=	0	0	2
NUMBER PASSED =	53	52	51

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	52	53
MEAN =	40.596	36.000
STD. DEV.=	8.083	3.137
SUM X'S =	2111.000	1908.000
SUM X*X =	89031.004	69200.003
MAXIMUM =	61	40
MINIMUM =	23	28

Low Math
A-1

NUMBER OF GIRLS IN SAMPLE= 28
NUMBER OF BOYS IN SAMPLE= 19
GRADE K 1 2 3 4 5 6 SP
NUMBER 0 0 0 0 0 0 47 0

DATA FOR FAR VA--0.U., U.S., 0.U.
NUMBER = 47 47 47
MEAN = 0.913 0.937 0.947
STD. DEV.= 0.227 0.215 0.216
SUM X'S = 42.952 44.085 44.533
SUM X*X = 41.628 43.490 44.346
MAXIMUM = 20/ 15 20/ 15 20/ 15
MINIMUM = 20/ 70 20/ 70 20/ 60
NUMBER FAILED = 4
NUMBER BORDERLINE= 9
NUMBER PASSED = 34

DATA FOR NEAR VA--0.U., 0.S., 0.U.
NUMBER = 47 47 47
MEAN = 0.874 0.882 0.895
STD. DEV.= 0.165 0.163 0.169
SUM X'S = 41.099 41.466 42.099
SUM X*X = 37.529 38.139 39.029
MAXIMUM = 20/ 20 20/ 20 20/ 20
MINIMUM = 20/ 40 20/ 60 20/ 40
NUMBER FAILED = 5
NUMBER BORDERLINE= 11
NUMBER PASSED = 31

DATA FOR STEREOPSIS
NUMBER FAILED = 2
NUMBER BORDERLINE= 1
NUMBER PASSED = 44

DATA FOR COLOR VISION
NUMBER FAILED = 2
NUMBER BORDERLINE= 0
NUMBER PASSED = 26

DATA FOR DISTANCE ROCK
NUMBER = 22
MEAN = 25.881
STD. DEV.= 6.337
SUM X'S = 569.397
SUM X*X = 15580.379
MAXIMUM = 36
MINIMUM = 15
NUMBER FAILED = 0
NUMBER BORDERLINE= 6
NUMBER PASSED = 16

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	46	46	46
MEAN	=	1.956	3.913	1.144
STD. DEV.	=	1.210	2.116	0.993
SUM X'S	=	90.000	180.000	52.661
SUM X*X	=	242.000	906.000	104.663
MAXIMUM	=	6	10	5.142
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	3		
NUMBER BORDERLINE	=	4		
NUMBER PASSED	=	39		

DATA FOR FAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	4	15	0
MEAN	=	2.250	3.000	9999.000
STD. DEV.	=	1.500	3.380	0.000
SUM X'S	=	9.000	45.000	0.000
SUM X*X	=	27.000	295.000	0.000
MAXIMUM	=	4	15	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ES0	EXO	VERTICAL
NUMBER	=	2	1	0
MEAN	=	7.000	12.000	9999.000
STD. DEV.	=	4.242	0.000	0.000
SUM X'S	=	14.000	12.000	0.000
SUM X*X	=	116.000	144.000	0.000
MAXIMUM	=	10	12	-1000
MINIMUM	=	4	12	1000

NUMBER SHOWING ORTHOPHORIA= 25

FOR FAR COVER TEST DATA

NUMBER FAILED	=	4
NUMBER BORDERLINE	=	1
NUMBER PASSED	=	42

DATA FOR NEAR COVER TEST, PHORIAS

		ES0	EXO	VERTICAL
NUMBER	=	6	26	0
MEAN	=	2.666	4.500	9999.000
STD. DEV.	=	0.816	3.062	0.000
SUM X'S	=	16.000	117.000	0.000
SUM X*X	=	46.000	761.000	0.000
MAXIMUM	=	4	15	-1000
MINIMUM	=	2	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	2	2	0
MEAN =	13.500	11.000	9999.000
STD. DEV.=	4.949	1.414	0.000
SUM X'S =	27.000	22.000	0.000
SUM X*X =	389.000	244.000	0.000
MAXIMUM =	17	12	-1000
MINIMUM =	10	10	1000

NUMBER SHOWING ORTHOPHORIA= 11

FOR NEAR COVER TEST DATA

NUMBER FAILED =	6
NUMBER BORDERLINE=	6
NUMBER PASSED =	35

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	5
NUMBER PASSED =	41

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	0
NUMBER BORDERLINE=	6
NUMBER PASSED =	41

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	47	47
MEAN =	-0.855	-0.797
STD. DEV.=	0.478	0.408
SUM X'S =	-40.209	-37.469
SUM X*X =	44.932	37.548
MAXIMUM =	-0.250	-0.250
MINIMUM =	-2.250	-1.750
NUMBER FAILED =	4	2
NUMBER BORDERLINE=	6	6
NUMBER PASSED =	37	39

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	47	47
MEAN =	0.355	0.349
STD. DEV.=	0.716	0.689
SUM X'S =	16.687	16.407
SUM X*X =	29.533	27.578
MAXIMUM =	2.250	1.750
MINIMUM =	-1.250	-1.500

EVALUATION BASED ON SPHERE POWER
NUMBER FAILED = 8 7
NUMBER BORDERLINE= 3 3
NUMBER PASSED = 36 37
EVALUATION BASED ON ASTIGMATISM
NUMBER FAILED = 2 2
NUMBER BORDERLINE= 1 1
NUMBER PASSED = 44 44
EVALUATION BASED ON ANISOMETROPIA
NUMBER FAILED = 1
NUMBER BORDERLINE= 2
NUMBER PASSED = 44

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	1	2	1
NUMBER BORDERLINE=	0	1	3
NUMBER PASSED =	46	44	43

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	46	47
MEAN =	41.260	37.382
STD. DEV.=	7.230	2.770
SUM X'S =	1898.000	1757.000
SUM X*X =	80666.005	66035.002
MAXIMUM =	57	40
MINIMUM =	29	30

Low reliability

NUMBER OF GIRLS IN SAMPLE=	83							
NUMBER OF BOYS IN SAMPLE=	0							
GRADE	K	1	2	3	4	5	6	SP
NUMBER	0	0	0	14	15	26	28	0

DATA FOR FAR VA--O.D., O.S., O.U.

NUMBER	=	83	83	83
MEAN	=	0.920	0.926	0.944
STD. DEV.	=	0.182	0.172	0.171
SUM X'S	=	76.418	76.885	78.399
SUM X*X	=	73.083	73.668	76.462
MAXIMUM	=	20/ 15	20/ 15	20/ 15
MINIMUM	=	20/ 70	20/ 70	20/ 50
NUMBER FAILED	=	5		
NUMBER BORDERLINE	=	18		
NUMBER PASSED	=	60		

DATA FOR NEAR VA--O.D., O.S., O.U.

NUMBER	=	83	83	83
MEAN	=	0.870	0.880	0.891
STD. DEV.	=	0.193	0.190	0.181
SUM X'S	=	72.266	73.099	73.966
SUM X*X	=	66.002	67.363	68.612
MAXIMUM	=	20/ 20	20/ 20	20/ 20
MINIMUM	=	20/ 60	20/ 60	20/ 60
NUMBER FAILED	=	9		
NUMBER BORDERLINE	=	21		
NUMBER PASSED	=	53		

DATA FOR STEREOPSIS

NUMBER FAILED	=	4
NUMBER BORDERLINE	=	3
NUMBER PASSED	=	76

DATA FOR COLOR VISION

NUMBER FAILED	=	2
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	23

DATA FOR DISTANCE ROCK

NUMBER	=	40
MEAN	=	22.031
STD. DEV.	=	5.587
SUM X'S	=	881.274
SUM X*X	=	20633.530
MAXIMUM	=	35
MINIMUM	=	11
NUMBER FAILED	=	0
NUMBER BORDERLINE	=	18
NUMBER PASSED	=	22

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	82	82	82
MEAN	=	2.536	4.048	1.828
STD. DEV.	=	2.634	2.926	2.594
SUM X'S	=	208.000	332.000	149.972
SUM X*X	=	1090.000	2038.000	819.584
MAXIMUM	=	20	20	20.000
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	7		
NUMBER BORDERLINE	=	14		
NUMBER PASSED	=	61		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	7	17	0
MEAN	=	3.000	3.176	9999.000
STD. DEV.	=	3.265	3.147	0.000
SUM X'S	=	21.000	54.000	0.000
SUM X*X	=	127.000	330.000	0.000
MAXIMUM	=	10	15	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPIAS

		ESO	EXO	VERTICAL
NUMBER	=	3	1	0
MEAN	=	10.666	12.000	9999.000
STD. DEV.	=	5.859	0.000	0.000
SUM X'S	=	32.000	12.000	0.000
SUM X*X	=	410.000	144.000	0.000
MAXIMUM	=	15	12	-1000
MINIMUM	=	4	12	1000

NUMBER SHOWING ORTHOPHORIA= 54

FOR FAR COVER TEST DATA

NUMBER FAILED	=	6
NUMBER BORDERLINE	=	3
NUMBER PASSED	=	73

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	13	42	0
MEAN	=	3.769	4.238	9999.000
STD. DEV.	=	3.539	3.066	0.000
SUM X'S	=	49.000	178.000	0.000
SUM X*X	=	335.000	1140.000	0.000
MAXIMUM	=	14	15	-1000
MINIMUM	=	1	1	1000

DATA FOR NEAR COVER TEST, TROPIAS

	ESO	EXO	VERTICAL
NUMBER =	4	2	0
MEAN =	13.000	11.000	9999.000
STD. DEV.=	6.782	1.414	0.000
SUM X'S =	52.000	22.000	0.000
SUM X*X =	814.000	244.000	0.000
MAXIMUM =	20	12	-1000
MINIMUM =	5	10	1000

NUMBER SHOWING ORTHOPHORIA= 21

FOR NEAR COVER TEST DATA

NUMBER FAILED =	11
NUMBER BORDERLINE=	10
NUMBER PASSED =	61

DATA FOR PURSUIT EYE MOVEMENTS

NUMBER FAILED =	1
NUMBER BORDERLINE=	10
NUMBER PASSED =	72

DATA FOR NEAR-FAR FIXATION EYE MOVEMENTS

NUMBER FAILED =	2
NUMBER BORDERLINE=	11
NUMBER PASSED =	70

DATA FOR NEAR-POINT MEM RETINOSCOPY

	RIGHT	LEFT
NUMBER =	81	81
MEAN =	-0.797	-0.780
STD. DEV.=	0.486	0.457
SUM X'S =	-64.559	-63.199
SUM X*X =	70.357	66.088
MAXIMUM =	0.250	0.250
MINIMUM =	-2.250	-2.000
NUMBER FAILED =	5	4
NUMBER BORDERLINE=	10	11
NUMBER PASSED =	66	66

DATA FOR STATIC RETINOSCOPY OVER HABITUAL RX
CALCULATED FOR HORIZONTAL MERIDIAN

	RIGHT	LEFT
NUMBER =	83	83
MEAN =	0.455	0.485
STD. DEV.=	0.653	0.761
SUM X'S =	37.802	40.272
SUM X*X =	52.200	67.151
MAXIMUM =	2.250	4.500
MINIMUM =	-1.250	-1.500

EVALUATION BASED ON SPHERE POWER
 NUMBER FAILED = 13 13
 NUMBER BORDERLINE= 6 3
 NUMBER PASSED = 64 67
 EVALUATION BASED ON ASTIGMATISM
 NUMBER FAILED = 3 5
 NUMBER BORDERLINE= 0 5
 NUMBER PASSED = 80 75
 EVALUATION BASED ON ANISOMETROPIA
 NUMBER FAILED = 4
 NUMBER BORDERLINE= 5
 NUMBER PASSED = 74

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	2	2	1
NUMBER BORDERLINE=	0	2	4
NUMBER PASSED =	81	79	78

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	82	83
MEAN =	42.792	36.530
STD. DEV.=	7.314	3.033
SUM X'S =	3509.000	3032.000
SUM X*X =	154493.030	111514.030
MAXIMUM =	61	40
MINIMUM =	31	28

Low...!

Boys

NUMBER OF GIRLS IN SAMPLE= 0
 NUMBER OF BOYS IN SAMPLE= 87
 GRADE K 1 2 3 4 5 6 SP
 NUMBER 0 0 0 17 24 27 19 0

DATA FOR FAR VA--O.D., O.S., O.U.
 NUMBER = 87 87 87
 MEAN = 0.937 0.936 0.950
 STD. DEV.= 0.211 0.211 0.197
 SUM X'S = 81.533 81.466 82.733
 SUM X*X = 80.251 80.146 82.037
 MAXIMUM = 20/ 15 20/ 15 20/ 15
 MINIMUM = 20/ 60 20/ 60 20/ 60
 NUMBER FAILED = 7
 NUMBER BORDERLINE= 22
 NUMBER PASSED = 58

DATA FOR NEAR VA--O.D., O.S., O.U.
 NUMBER = 87 87 87
 MEAN = 0.904 0.890 0.921
 STD. DEV.= 0.175 0.181 0.156
 SUM X'S = 78.716 77.499 80.133
 SUM X*X = 73.869 71.861 75.917
 MAXIMUM = 20/ 20 20/ 20 20/ 20
 MINIMUM = 20/ 60 20/ 60 20/ 60
 NUMBER FAILED = 6
 NUMBER BORDERLINE= 19
 NUMBER PASSED = 62

DATA FOR STEREOPSIS
 NUMBER FAILED = 7
 NUMBER BORDERLINE= 0
 NUMBER PASSED = 79

DATA FOR COLOR VISION
 NUMBER FAILED = 8
 NUMBER BORDERLINE= 3
 NUMBER PASSED = 73

DATA FOR DISTANCE ROCK
 NUMBER = 43
 MEAN = 22.749
 STD. DEV.= 5.155
 SUM X'S = 978.226
 SUM X*X = 23370.254
 MAXIMUM = 36
 MINIMUM = 14
 NUMBER FAILED = 0
 NUMBER BORDERLINE= 18
 NUMBER PASSED = 25

DATA FOR NEAR POINT OF CONVERGENCE--BREAK,RECOVERY,AND RATIO

NUMBER	=	84	84	84
MEAN	=	2.059	3.738	1.306
STD. DEV.	=	1.983	2.537	1.695
SUM X'S	=	173.000	314.000	109.763
SUM X*X	=	683.000	1708.000	381.911
MAXIMUM	=	12	14	10.285
MINIMUM	=	1	1	0.199
NUMBER FAILED	=	8		
NUMBER BORDERLINE	=	5		
NUMBER PASSED	=	71		

DATA FOR FAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	3	20	0
MEAN	=	2.333	2.200	9999.000
STD. DEV.	=	1.154	1.151	0.000
SUM X'S	=	7.000	44.000	0.000
SUM X*X	=	19.000	122.000	0.000
MAXIMUM	=	3	6	-1000
MINIMUM	=	1	1	1000

DATA FOR FAR COVER TEST, TROPICAS

		ESO	EXO	VERTICAL
NUMBER	=	2	0	0
MEAN	=	12.500	9999.000	9999.000
STD. DEV.	=	3.535	0.000	0.000
SUM X'S	=	25.000	0.000	0.000
SUM X*X	=	325.000	0.000	0.000
MAXIMUM	=	15	-1000	-1000
MINIMUM	=	10	1000	1000

NUMBER SHOWING ORTHOPHORIA= 62

FOR FAR COVER TEST DATA

NUMBER FAILED	=	3
NUMBER BORDERLINE	=	0
NUMBER PASSED	=	84

DATA FOR NEAR COVER TEST, PHORIAS

		ESO	EXO	VERTICAL
NUMBER	=	13	40	1
MEAN	=	3.615	3.924	2.000
STD. DEV.	=	2.180	1.858	0.000
SUM X'S	=	47.000	157.000	2.000
SUM X*X	=	227.000	751.000	4.000
MAXIMUM	=	8	8	2
MINIMUM	=	1	1	2

EVALUATION BASED ON SPHERE POWER
NUMBER FAILED = 5 6
NUMBER BORDERLINE= 5 4
NUMBER PASSED = 77 77
EVALUATION BASED ON ASTIGMATISM
NUMBER FAILED = 2 3
NUMBER BORDERLINE= 2 2
NUMBER PASSED = 83 82
EVALUATION BASED ON ANISOMETROPIA
NUMBER FAILED = 1
NUMBER BORDERLINE= 0
NUMBER PASSED = 86

DATA FOR OCULAR HEALTH

	PUPIL	EXTERNAL	INTERNAL
NUMBER FAILED =	0	1	0
NUMBER BORDERLINE=	2	1	3
NUMBER PASSED =	85	85	84

DATA FOR ACHIEVEMENT SCORES

	READING	MATH
NUMBER =	85	87
MEAN =	40.176	36.494
STD. DEV.=	8.234	2.467
SUM X'S =	3415.000	3175.000
SUM X*X =	142899.030	116393.020
MAXIMUM =	66	40
MINIMUM =	23	32