PARTITION 3-STATISTICS FILE FOR ALL

AGE

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	32.16	31.66	29.19	33.64	32.48	31.28
STANDARD DEVIATION	3.47	3.67	2.80	2.53	3.38	3.66
MAX	41.00	40.00	34.00	41.00	41.00	40.00
MIN	24.00	24.00	24.00	29.00	24.00	24.00

HEIGHT,CM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	177.36	177.83	166.88	179.46	178.50	176.11
STANDARD DEVIATION	7.39	6.79	5.55	6.34	6.64	7.71
MAX	196.00	196.00	177.40	192.60	196.00	196.00
MIN	157.60	161.00	157.60	164.50	161.00	157.60

MTWT,LB

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	161.41	163.40	128.30	167.29	165.01	157.90
STANDARD DEVIATION	22.32	20.29	18.04	18.59	19.65	23.66
MAX	240.70	236.80	164.70	240.70	240.70	236.80
MIN	100.00	116.20	100.00	131.50	116.20	100.00

BODY FAT,%

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	212.0	112.0	21.0	79.0	191.0	133.0
MEAN	16.34	15.70	25.06	14.92	15.38	17.18
STANDARD DEVIATION	6.08	5.48	5.36	5.18	5.36	6.43
MAX	34.70	32.80	34.70	25.71	32.80	34.70
MIN	1.40	1.40	16.80	4.70	1.40	1.40

HIP/KNEE EXT,PEAK BW,LB

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	188.0	95.0	21.0	72.0	167.0	116.0
MEAN	1.07	1.08	0.91	1.09	1.09	1.05
STANDARD DEVIATION	0.17	0.16	0.11	0.17	0.16	0.17
MAX	1.54	1.43	1.09	1.54	1.54	1.43
MIN	0.33	0.63	0.66	0.33	0.33	0.63

HIP/KNEE EXT,MEAN BW,LB

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	189.0	95.0	21.0	73.0	168.0	116.0
MEAN	0.97	0.99	0.81	1.00	0.99	0.96
STANDARD DEVIATION	0.18	0.16	0.10	0.19	0.17	0.16
MAX	1.60	1.40	0.99	1.60	1.60	1.40
MIN	0.22	0.58	0.60	0.22	0.22	0.58

HIP/KNEE EXT,PEAK LBM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	187.0	94.0	21.0	72.0	166.0	115.0
MEAN	1.28	1.29	1.20	1.28	1.29	1.27
STANDARD DEVIATION	0.17	0.17	0.17	0.16	0.17	0.18
MAX	1.70	1.68	1.54	1.70	1.70	1.68

MIN 0.77 0.77 0.82 0.88 0.77 0.77

HIP/KNEE EXT,MEAN LBM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	188.0	94.0	21.0	73.0	167.0	115.0
MEAN	1.16	1.17	1.09	1.15	1.16	1.16
STANDARD DEVIATION	0.17	0.17	0.15	0.17	0.17	0.17
MAX	1.60	1.50	1.37	1.60	1.60	1.50
MIN	0.69	0.71	0.88	0.69	0.69	0.71

HIP/KNEE FLEX,PEAK BW

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	188.0	95.0	21.0	72.0	167.0	116.0
MEAN	0.27	0.27	0.21	0.29	0.28	0.26
STANDARD DEVIATION	0.09	0.06	0.03	0.12	0.09	0.06
MAX	1.18	0.48	0.27	1.18	1.18	0.48
MIN	0.16	0.16	0.16	0.17	0.16	0.16

HIP/KNEE FLEX,MEAN BW

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	188.0	95.0	21.0	72.0	167.0	116.0
MEAN	0.23	0.23	0.19	0.25	0.24	0.23
STANDARD DEVIATION	0.08	0.05	0.03	0.11	0.08	0.05
MAX	1.09	0.42	0.27	1.09	1.09	0.42
MIN	0.13	0.13	0.14	0.16	0.13	0.13

HIP/KNEE FLEX,PEAK LBM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST

TOTAL NUMBER OF	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	0.32	0.32	0.29	0.34	0.33	0.32
STANDARD DEVIATION	0.11	0.07	0.04	0.15	0.11	0.07
MAX	1.47	0.57	0.37	1.47	1.47	0.57
MIN	0.19	0.20	0.23	0.19	0.19	0.20

HIP/KNEE FLEX,MEAN LBM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	187.0	94.0	21.0	72.0	166.0	115.0
MEAN	0.28	0.28	0.26	0.29	0.28	0.28
STANDARD DEVIATION	0.10	0.06	0.05	0.14	0.10	0.06
MAX	1.35	0.51	0.39	1.35	1.35	0.51
MIN	0.15	0.16	0.20	0.15	0.15	0.16

ARM EXT,PEAK BW,LB

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	0.18	0.18	0.15	0.18	0.18	0.18
STANDARD DEVIATION	0.04	0.04	0.04	0.04	0.04	0.04
MAX	0.31	0.31	0.25	0.30	0.31	0.31
MIN	0.08	0.10	0.09	0.08	0.08	0.09

ARM EXT,MEAN BW,LB

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	0.16	0.16	0.12	0.17	0.16	0.15
STANDARD DEVIATION	0.05	0.03	0.03	0.06	0.05	0.04
MAX	0.62	0.27	0.22	0.62	0.62	0.27
MIN	0.07	0.08	0.07	0.07	0.07	0.07

ARM EXT,PEAK LBM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	210.0	110.0	21.0	79.0	189.0	131.0
MEAN	0.22	0.22	0.20	0.22	0.22	0.22
STANDARD DEVIATION	0.04	0.04	0.05	0.04	0.04	0.04
MAX	0.34	0.34	0.32	0.34	0.34	0.34
MIN	0.10	0.11	0.13	0.10	0.10	0.11

ARM EXT,MEAN LBM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	210.0	110.0	21.0	79.0	189.0	131.0
MEAN	0.25	0.19	0.16	0.35	0.26	0.18
STANDARD DEVIATION	0.89	0.04	0.04	1.44	0.93	0.04
MAX	13.00	0.29	0.28	13.00	13.00	0.29
MIN	0.09	0.09	0.12	0.09	0.09	0.09

ARM FLEX PEAK BW, LB.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	0.20	0.20	0.15	0.21	0.21	0.20
STANDARD DEVIATION	0.04	0.04	0.04	0.04	0.04	0.04
MAX	0.41	0.41	0.22	0.33	0.41	0.41
MIN	0.08	0.10	0.08	0.09	0.09	0.08

ARM FLEX MEAN BW,LB

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	0.18	0.18	0.12	0.18	0.18	0.17
STANDARD DEVIATION	0.04	0.03	0.03	0.04	0.03	0.04

MAX	0.30	0.28	0.17	0.30	0.30	0.28
MIN	0.04	0.08	0.07	0.04	0.04	0.07

ARM FLEX,PEAK LBM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	210.0	110.0	21.0	79.0	189.0	131.0
MEAN	0.24	0.24	0.20	0.25	0.24	0.24
STANDARD DEVIATION	0.05	0.04	0.04	0.04	0.04	0.05
MAX	0.45	0.45	0.27	0.36	0.45	0.45
MIN	0.11	0.11	0.11	0.11	0.11	0.11

ARM FLEX,MEAN LBM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	210.0	110.0	21.0	79.0	189.0	131.0
MEAN	0.21	0.22	0.16	0.22	0.22	0.21
STANDARD DEVIATION	0.04	0.03	0.03	0.04	0.04	0.04
MAX	0.34	0.31	0.23	0.34	0.34	0.31
MIN	0.04	0.09	0.10	0.04	0.04	0.09

SHOULDER FLEX,PEAK BW,LB

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	0.46	0.47	0.36	0.46	0.47	0.46
STANDARD DEVIATION	0.10	0.09	0.08	0.09	0.09	0.10
MAX	0.70	0.70	0.53	0.65	0.70	0.70
MIN	0.16	0.26	0.23	0.16	0.16	0.23

SHOULDER FLEX,MEAN BW,LB

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST

TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	0.64	0.42	0.31	1.03	0.67	0.40
STANDARD DEVIATION	3.42	0.09	0.07	5.58	3.60	0.09
MAX	50.00	0.65	0.41	50.00	50.00	0.65
MIN	0.07	0.23	0.16	0.07	0.07	0.16

SHOULDER FLEX,PEAK LBM

		MISSION SPECIALIST				
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	208.0	110.0	21.0	77.0	187.0	131.0
MEAN	0.55	0.56	0.49	0.54	0.55	0.55
STANDARD DEVIATION	0.10	0.10	0.09	0.10	0.10	0.10
MAX	0.84	0.84	0.64	0.78	0.84	0.84
MIN	0.20	0.32	0.33	0.20	0.20	0.32

SHOULDER FLEX,MEAN LBM

		MISSION SPECIALIST				
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	208.0	110.0	21.0	77.0	187.0	131.0
MEAN	0.49	0.50	0.43	0.48	0.49	0.49
STANDARD DEVIATION	0.10	0.10	0.09	0.10	0.10	0.10
MAX	0.86	0.78	0.53	0.86	0.86	0.78
MIN	0.23	0.30	0.23	0.29	0.29	0.23

SHOULDER EXT,PEAK BW,LB.

		MISSION SPECIALIST				
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	0.52	0.55	0.39	0.52	0.54	0.53
STANDARD DEVIATION	0.12	0.11	0.10	0.12	0.11	0.12
MAX	0.98	0.77	0.58	0.98	0.98	0.77
MIN	0.18	0.32	0.18	0.20	0.20	0.18

SHOULDER EXT,MEAN BW,LB.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	0.45	0.48	0.33	0.45	0.47	0.46
STANDARD DEVIATION	0.11	0.10	0.10	0.11	0.11	0.12
MAX	0.72	0.72	0.50	0.68	0.72	0.72
MIN	0.12	0.27	0.12	0.18	0.18	0.12

SHOULDER EXT,PEAK LBM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	210.0	110.0	21.0	79.0	189.0	131.0
MEAN	0.62	0.66	0.52	0.60	0.63	0.63
STANDARD DEVIATION	0.13	0.12	0.11	0.14	0.13	0.13
MAX	1.11	0.90	0.69	1.11	1.11	0.90
MIN	0.24	0.36	0.31	0.24	0.24	0.31

SHOULDER EXT,MEAN LBM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	208.0	109.0	21.0	78.0	187.0	130.0
MEAN	0.54	0.57	0.45	0.52	0.55	0.55
STANDARD DEVIATION	0.13	0.11	0.11	0.13	0.12	0.12
MAX	0.86	0.82	0.60	0.86	0.86	0.82
MIN	0.17	0.32	0.17	0.22	0.22	0.17

BACK FLEX, PEAK BW,LB.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	189.0	105.0	21.0	63.0	168.0	126.0
MEAN	0.51	0.53	0.49	0.48	0.51	0.52

STANDARD DEVIATION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	1.20	0.90	0.77	1.20	1.20	0.90
MIN	0.21	0.29	0.26	0.21	0.21	0.26

BACK FLEX, MEAN BW, LB.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	189.0	105.0	21.0	63.0	168.0	126.0
MEAN	0.45	0.47	0.42	0.44	0.46	0.46
STANDARD DEVIATION	0.13	0.13	0.07	0.13	0.13	0.12
MAX	1.12	0.85	0.54	1.12	1.12	0.85
MIN	0.01	0.01	0.25	0.20	0.01	0.01

BACK FLEX, PEAK LBM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	187.0	104.0	21.0	62.0	166.0	125.0
MEAN	0.61	0.63	0.66	0.56	0.61	0.64
STANDARD DEVIATION	0.16	0.14	0.15	0.17	0.16	0.14
MAX	1.30	0.97	1.11	1.30	1.30	1.11
MIN	0.23	0.32	0.37	0.23	0.23	0.32

BACK FLEX, MEAN LBM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	187.0	104.0	21.0	62.0	166.0	125.0
MEAN	0.54	0.56	0.57	0.50	0.54	0.56
STANDARD DEVIATION	0.14	0.14	0.10	0.13	0.14	0.14
MAX	0.92	0.92	0.82	0.83	0.92	0.92
MIN	0.01	0.01	0.36	0.22	0.01	0.01

BACK EXT, PEAK BW, LB.

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST

	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	190.0	105.0	21.0	64.0	169.0	126.0
MEAN	1.48	1.91	0.96	0.94	1.54	1.75
STANDARD DEVIATION	6.39	8.59	0.24	0.22	6.77	7.84
MAX	89.00	89.00	1.43	1.48	89.00	89.00
MIN	0.13	0.13	0.54	0.44	0.13	0.13

BACK EXT, MEAN BW, LB.

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	189.0	105.0	21.0	63.0	168.0	126.0
MEAN	0.93	0.99	0.84	0.87	0.95	0.97
STANDARD DEVIATION	0.24	0.24	0.22	0.22	0.24	0.24
MAX	1.51	1.51	1.25	1.37	1.51	1.51
MIN	0.39	0.41	0.45	0.39	0.39	0.41

BACK EXT, PEAK LBM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	187.0	104.0	21.0	62.0	166.0	125.0
MEAN	1.20	1.26	1.31	1.08	1.19	1.26
STANDARD DEVIATION	0.31	0.31	0.28	0.28	0.31	0.30
MAX	1.90	1.90	1.82	1.54	1.90	1.90
MIN	0.14	0.14	0.78	0.17	0.14	0.14

BACK EXT, MEAN LBM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	187.0	104.0	21.0	62.0	166.0	125.0
MEAN	1.12	1.17	1.13	1.04	1.12	1.17
STANDARD DEVIATION	0.27	0.26	0.26	0.27	0.27	0.26
MAX	1.80	1.72	1.59	1.80	1.80	1.72
MIN	0.46	0.48	0.65	0.46	0.46	0.48

TRUNK, PEAK BW, LB.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.00	0.00	0.00	0.00	0.00	0.00
STANDARD DEVIATION	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00

TRUNK, MEAN BW, LB

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.00	0.00	0.00	0.00	0.00	0.00
STANDARD DEVIATION	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00

TRUNK, PEAK LBM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.00	0.00	0.00	0.00	0.00	0.00
STANDARD DEVIATION	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00

TRUNK,MEAN LBM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	0.0	0.0	0.0	0.0	0.0	0.0

MEAN	0.00	0.00	0.00	0.00	0.00	0.00
STANDARD DEVIATION	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00

NECK ROTATION R,DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	87.01	86.96	92.19	85.71	86.44	87.78
STANDARD DEVIATION	8.37	7.98	10.42	7.88	7.94	8.58
MAX	133.00	115.00	133.00	110.00	115.00	133.00
MIN	62.50	67.00	82.00	62.50	62.50	67.00

NECK ROTATION L, DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	87.09	86.72	90.86	86.62	86.68	87.37
STANDARD DEVIATION	8.04	7.63	11.39	7.41	7.52	8.42
MAX	135.00	110.00	135.00	110.00	110.00	135.00
MIN	65.00	65.00	75.00	65.00	65.00	65.00

NECK,FLEX, DEG.

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	53.67	53.45	63.43	51.42	52.61	55.01
STANDARD DEVIATION	12.10	11.42	15.21	10.98	11.26	12.57
MAX	90.00	90.00	90.00	77.00	90.00	90.00
MIN	20.00	22.00	20.00	27.00	22.00	20.00

NECK,EXT, DEG.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	213.0	113.0	20.0	80.0	193.0	133.0
MEAN	83.97	84.34	84.80	83.24	83.88	84.41
STANDARD DEVIATION	11.79	11.22	11.19	12.78	11.87	11.17
MAX	120.00	105.00	105.00	120.00	120.00	105.00
MIN	40.00	40.00	63.00	55.00	40.00	40.00

NECK LAT R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	49.28	49.76	50.62	48.24	49.13	49.90
STANDARD DEVIATION	8.62	9.28	7.83	7.81	8.71	9.04
MAX	75.00	75.00	65.00	67.00	75.00	75.00
MIN	25.00	25.00	35.00	27.50	25.00	25.00

NECK LAT L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	49.75	49.90	53.67	48.50	49.32	50.49
STANDARD DEVIATION	9.26	9.10	14.77	7.28	8.40	10.22
MAX	105.00	73.00	105.00	70.00	73.00	105.00
MIN	31.00	32.00	37.00	31.00	31.00	32.00

SHOULDER, ADD R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	0.00	0.00	0.00	0.00	0.00	0.00
STANDARD DEVIATION	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00

SHOULDER ABD R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	180.36	179.64	182.67	180.79	180.11	180.11
STANDARD DEVIATION	9.10	11.47	6.04	5.04	9.35	10.84
MAX	210.00	210.00	202.00	210.00	210.00	210.00
MIN	97.00	97.00	180.00	170.00	97.00	97.00

SHOULDER, ADD L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	0.00	0.00	0.00	0.00	0.00	0.00
STANDARD DEVIATION	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00

SHOULDER, ABD L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	180.74	179.88	183.05	181.35	180.49	180.38
STANDARD DEVIATION	7.73	9.27	6.52	5.07	7.82	8.95
MAX	213.00	197.00	200.00	213.00	213.00	200.00
MIN	92.00	92.00	180.00	170.00	92.00	92.00

SHOULDER,R INT, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0

MEAN	69.88	71.84	68.48	67.49	70.04	71.31
STANDARD DEVIATION	15.20	14.94	9.56	16.48	15.71	14.26
MAX	120.00	120.00	85.00	115.00	120.00	120.00
MIN	36.00	36.00	50.00	40.00	36.00	36.00

SHOULDER, R EXT, DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	110.41	110.72	115.67	108.60	109.84	111.49
STANDARD DEVIATION	11.32	9.74	11.32	12.96	11.20	10.12
MAX	140.00	135.00	136.00	140.00	140.00	136.00
MIN	85.00	89.00	100.00	85.00	85.00	89.00

SHOULDER, L INT, DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	72.71	74.56	71.29	70.49	72.87	74.04
STANDARD DEVIATION	14.49	15.19	10.30	14.20	14.88	14.55
MAX	115.00	115.00	95.00	100.00	115.00	115.00
MIN	38.00	38.00	55.00	45.00	38.00	38.00

SHOULDER, L EXT, DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	107.69	108.36	112.67	105.44	107.15	109.04
STANDARD DEVIATION	10.73	9.86	9.15	11.80	10.78	9.84
MAX	135.00	135.00	130.00	135.00	135.00	135.00
MIN	80.00	85.00	97.00	80.00	80.00	85.00

SHOULDER, R FLEX, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	187.12	189.56	186.19	183.92	187.22	189.03
STANDARD DEVIATION	15.88	11.70	20.64	18.95	15.34	13.45
MAX	216.00	215.00	212.00	216.00	216.00	215.00
MIN	105.00	149.00	106.00	105.00	105.00	106.00

SHOULDER,EXT R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	60.91	61.61	66.62	58.43	60.29	62.40
STANDARD DEVIATION	14.51	14.62	14.87	13.91	14.38	14.72
MAX	92.00	90.00	90.00	92.00	92.00	90.00
MIN	0.00	0.00	42.00	25.00	0.00	0.00

SHOULDER, L FLEX, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	186.65	188.87	184.19	184.17	186.92	188.13
STANDARD DEVIATION	15.57	11.75	19.25	18.68	15.15	13.22
MAX	220.00	220.00	204.00	215.00	220.00	220.00
MIN	108.00	147.00	108.00	110.00	110.00	108.00

SHOULDER EXT L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	61.94	62.72	66.10	59.75	61.49	63.25
STANDARD DEVIATION	13.66	13.48	12.06	14.07	13.77	13.28
MAX	84.00	84.00	85.00	80.00	84.00	84.00

MIN	0.00	0.00	47.00	35.00	0.00	0.00

ELBOW, FLEX R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	150.42	150.56	155.14	148.97	149.90	151.28
STANDARD DEVIATION	6.30	6.12	6.46	5.95	6.09	6.37
MAX	182.00	182.00	175.00	163.00	182.00	182.00
MIN	130.00	135.00	145.00	130.00	130.00	135.00

ELBOW, FLEX L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	150.54	150.72	154.57	149.22	150.10	151.32
STANDARD DEVIATION	6.34	5.85	5.83	6.73	6.25	5.99
MAX	184.00	184.00	175.00	165.00	184.00	184.00
MIN	130.00	140.00	150.00	130.00	130.00	140.00

ELBOW,EXT R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	213.0	113.0	20.0	80.0	193.0	133.0
MEAN	-0.26	-0.35	-0.50	-0.07	-0.23	-0.37
STANDARD DEVIATION	2.71	3.21	4.35	0.67	2.49	3.39
MAX	16.00	16.00	9.00	0.00	16.00	16.00
MIN	-20.00	-20.00	-15.00	-6.00	-20.00	-20.00

ELBOW, EXT L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST

TOTAL NUMBER OF	213.0	113.0	20.0	80.0	193.0	133.0
MEAN	-0.12	-0.04	-0.25	-0.19	-0.10	-0.08
STANDARD DEVIATION	3.42	4.10	4.44	1.68	3.31	4.14
MAX	18.00	18.00	10.00	0.00	18.00	18.00
MIN	-22.00	-22.00	-15.00	-15.00	-22.00	-22.00

FOREARM, PRON R, DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	97.62	96.91	100.57	97.84	97.30	97.49
STANDARD DEVIATION	11.68	11.13	11.36	12.52	11.70	11.20
MAX	130.00	127.00	126.00	130.00	130.00	127.00
MIN	65.00	65.00	85.00	72.00	65.00	65.00

FOREARM, SUP L, DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	105.31	105.71	114.33	102.39	104.33	107.06
STANDARD DEVIATION	13.70	11.79	16.15	14.59	13.09	12.89
MAX	150.00	135.00	145.00	150.00	150.00	145.00
MIN	70.00	78.00	87.00	70.00	70.00	78.00

FOREAMR, PRON L, DEGP

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	97.28	97.37	100.19	96.37	96.96	97.81
STANDARD DEVIATION	11.34	10.97	11.28	11.86	11.33	11.03
MAX	135.00	125.00	122.00	135.00	135.00	125.00
MIN	70.00	72.00	81.00	70.00	70.00	72.00

FOREARM, SUP R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	105.89	106.57	115.76	102.36	104.82	108.01
STANDARD DEVIATION	13.20	11.37	14.47	13.94	12.64	12.32
MAX	145.00	134.00	145.00	142.00	142.00	145.00
MIN	75.00	83.00	87.00	75.00	75.00	83.00

WRIST, ULN R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	32.85	29.94	31.19	37.40	33.03	30.13
STANDARD DEVIATION	8.89	6.63	5.86	10.41	9.15	6.51
MAX	65.00	49.00	45.00	65.00	65.00	49.00
MIN	15.00	15.00	22.00	18.00	15.00	15.00

WRIST, RAD R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	213.0	112.0	21.0	80.0	192.0	133.0
MEAN	26.12	26.11	24.76	26.50	26.27	25.89
STANDARD DEVIATION	6.24	6.39	6.73	5.92	6.19	6.44
MAX	50.00	45.00	38.00	50.00	50.00	45.00
MIN	12.00	13.00	12.00	12.00	12.00	12.00

WRIST, UNL L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	33.42	30.47	32.62	37.80	33.51	30.81
STANDARD DEVIATION	8.51	6.27	7.16	9.73	8.66	6.44

MAX	85.00	50.00	45.00	85.00	85.00	50.00
MIN	17.00	17.00	20.00	18.00	17.00	17.00

WRIST, RAD L, DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	213.0	112.0	21.0	80.0	192.0	133.0
MEAN	27.28	27.76	26.90	26.70	27.32	27.62
STANDARD DEVIATION	5.83	5.70	5.38	6.13	5.89	5.64
MAX	50.00	40.00	35.00	50.00	50.00	40.00
MIN	12.00	14.00	13.00	12.00	12.00	13.00

WRIST, EXT R, DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	58.49	55.98	58.33	62.06	58.50	56.35
STANDARD DEVIATION	10.83	9.49	8.99	12.10	11.03	9.42
MAX	90.00	82.00	78.00	90.00	90.00	82.00
MIN	35.00	35.00	45.00	35.00	35.00	35.00

WRIST, FLEX R, DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
ABORT J./$TX01 REASON:I003 AT:1006B0CC						
MEAN	78.73	77.16	84.33	79.49	78.12	78.28
STANDARD DEVIATION	9.73	10.06	7.16	9.29	9.79	9.99
MAX	105.00	100.00	100.00	105.00	105.00	100.00
MIN	55.00	55.00	72.00	60.00	55.00	55.00

WRIST, EXT L,DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST

	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	59.47	56.58	59.76	63.49	59.44	57.07
STANDARD DEVIATION	11.84	10.32	10.29	13.11	12.02	10.34
MAX	102.00	84.00	81.00	102.00	102.00	84.00
MIN	30.00	35.00	46.00	30.00	30.00	35.00

WRIST, FLEX L, DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	78.62	77.06	84.19	79.36	78.02	78.18
STANDARD DEVIATION	10.48	10.43	8.23	10.62	10.54	10.42
MAX	106.00	100.00	100.00	106.00	106.00	100.00
MIN	46.00	46.00	71.00	53.00	46.00	46.00

HIP,FLEX R, DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	132.59	132.45	132.62	132.79	132.59	132.48
STANDARD DEVIATION	9.10	7.74	8.17	11.01	9.21	7.78
MAX	158.00	152.00	145.00	158.00	158.00	152.00
MIN	106.00	110.00	115.00	106.00	106.00	110.00

HIP, FLEX L, DEG

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	213.0	112.0	21.0	80.0	192.0	133.0
MEAN	131.75	131.31	131.71	132.36	131.75	131.38
STANDARD DEVIATION	9.75	8.46	7.79	11.78	9.96	8.33
MAX	160.00	153.00	140.00	160.00	160.00	153.00
MIN	110.00	110.00	115.00	110.00	110.00	110.00

HIP EXT R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	32.70	35.37	34.90	28.34	32.46	35.30
STANDARD DEVIATION	9.51	8.82	13.60	7.49	8.97	9.66
MAX	65.00	65.00	65.00	45.00	65.00	65.00
MIN	0.00	0.00	0.00	15.00	0.00	0.00

HIP,EXT L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	32.86	35.54	34.00	28.79	32.74	35.30
STANDARD DEVIATION	9.81	9.13	12.12	8.77	9.56	9.63
MAX	64.00	64.00	60.00	58.00	64.00	64.00
MIN	0.00	0.00	0.00	15.00	0.00	0.00

HIP, ABD R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	212.0	113.0	20.0	79.0	192.0	133.0
MEAN	40.41	38.35	41.50	43.08	40.29	38.82
STANDARD DEVIATION	8.34	7.44	8.74	8.75	8.32	7.70
MAX	65.00	62.00	60.00	65.00	65.00	62.00
MIN	20.00	20.00	30.00	25.00	20.00	20.00

HIP,ABD L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	113.0	20.0	78.0	191.0	133.0

MEAN	39.73	37.88	42.85	42.34	37.88	38.45
STANDARD DEVIATION	8.29	7.63	8.40	8.32	8.25	7.92
MAX	61.00	60.00	60.00	61.00	61.00	60.00
MIN	15.00	15.00	30.00	25.00	15.00	15.00

KNEE FLEX R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	130.58	129.28	135.10	131.24	130.09	130.19
STANDARD DEVIATION	14.16	17.81	6.75	8.44	14.67	16.68
MAX	155.00	155.00	146.00	155.00	155.00	155.00
MIN	0.00	0.00	123.00	115.00	0.00	0.00

KNEE,EXT R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	210.0	109.0	21.0	80.0	189.0	130.0
MEAN	1.50	2.44	2.38	0.00	1.41	2.43
STANDARD DEVIATION	9.93	12.89	10.91	0.00	9.84	12.55
MAX	119.00	119.00	50.00	0.00	119.00	119.00
MIN	-4.00	-4.00	0.00	0.00	-4.00	-4.00

KNEE FLEX L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	212.0	111.0	21.0	80.0	191.0	132.0
MEAN	132.26	131.42	135.62	132.55	131.90	132.09
STANDARD DEVIATION	10.57	12.26	5.62	8.77	10.93	11.55
MAX	161.00	161.00	148.00	155.00	161.00	161.00
MIN	35.00	35.00	122.00	120.00	35.00	35.00

KNEE EXT L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	209.0	108.0	21.0	80.0	188.0	129.0
MEAN	1.55	2.51	2.43	0.02	1.45	2.50
STANDARD DEVIATION	10.86	14.25	11.13	0.22	10.85	13.75
MAX	132.00	132.00	51.00	2.00	132.00	132.00
MIN	-10.00	-10.00	0.00	0.00	-10.00	-10.00

ANKLE PLANT R, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	59.00	56.75	68.10	59.79	58.01	58.53
STANDARD DEVIATION	13.34	12.53	14.07	13.31	12.91	13.38
MAX	95.00	93.00	95.00	90.00	93.00	95.00
MIN	32.00	33.00	46.00	32.00	32.00	33.00

ANKLE,DORSI,R DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	14.03	13.61	12.38	15.06	14.21	13.42
STANDARD DEVIATION	3.73	2.88	3.38	4.57	3.74	2.98
MAX	31.00	25.00	20.00	31.00	31.00	25.00
MIN	5.00	5.00	5.00	5.00	5.00	5.00

ANKLE, PLANT L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	58.61	56.43	66.95	59.49	57.70	58.08
STANDARD DEVIATION	13.90	12.95	15.11	14.13	13.50	13.79
MAX	95.00	90.00	95.00	90.00	90.00	95.00
MIN	30.00	30.00	45.00	30.00	30.00	30.00

ANKLE,DORSI L, DEG

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	13.44	12.99	12.00	14.46	13.60	12.84
STANDARD DEVIATION	3.44	2.80	3.10	4.05	3.44	2.86
MAX	25.00	22.00	20.00	25.00	25.00	22.00
MIN	5.00	7.00	5.00	7.50	7.00	5.00

HEIGHT, STANDING, CM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	177.27	177.66	166.88	179.44	178.40	175.97
STANDARD DEVIATION	7.27	6.55	5.55	6.34	6.51	7.50
MAX	192.60	191.00	177.40	192.60	192.60	191.00
MIN	157.60	161.00	157.60	164.50	161.00	157.60

HEIGHT,SUPINE,CM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	178.66	179.02	167.74	181.01	179.85	177.26
STANDARD DEVIATION	7.50	6.68	6.44	6.34	6.60	7.80
MAX	195.60	192.20	179.40	195.60	195.60	192.20
MIN	155.60	162.00	155.60	166.60	162.00	155.60

HEIGHT,CROTCH,CM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	213.0	113.0	21.0	78.0	192.0	134.0

MEAN	81.76	82.17	75.65	82.78	82.43	81.15
STANDARD DEVIATION	4.96	4.55	4.20	4.60	4.57	5.08
MAX	96.00	96.00	85.50	93.00	96.00	96.00
MIN	68.80	71.90	68.80	72.10	71.90	68.80

HEIGHT SEATED,CM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	213.0	113.0	21.0	79.0	192.0	134.0
MEAN	92.72	92.86	87.70	93.84	93.27	92.05
STANDARD DEVIATION	3.97	3.90	2.47	3.36	3.71	4.16
MAX	103.30	101.10	92.40	103.30	103.30	101.10
MIN	81.60	81.60	83.70	88.30	81.60	81.60

LENGTH, KNEE,R CM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	59.31	59.24	57.52	59.88	59.51	58.97
STANDARD DEVIATION	2.82	2.51	4.94	2.29	2.43	3.06
MAX	73.60	64.60	73.60	65.60	65.60	73.60
MIN	52.10	53.00	52.10	53.90	53.00	52.10

LENGTH, KNEE L, CM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	59.13	59.15	57.27	59.59	59.34	58.86
STANDARD DEVIATION	2.73	2.56	4.43	2.18	2.42	2.99
MAX	71.80	64.40	71.80	65.20	65.20	71.80
MIN	52.00	52.60	52.00	53.10	52.60	52.00

REACH, ARM R, CM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	77.42	77.81	70.77	78.62	78.15	76.71
STANDARD DEVIATION	6.51	6.01	5.53	6.47	6.20	6.45
MAX	89.00	88.90	80.00	89.00	89.00	88.90
MIN	30.00	30.00	56.00	32.50	30.00	30.00

REACH ARM L, CM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	77.08	77.56	70.47	78.14	77.80	76.45
STANDARD DEVIATION	6.42	5.84	5.02	6.58	6.15	6.26
MAX	89.00	87.10	76.80	89.00	89.00	87.10
MIN	30.00	30.00	55.60	31.20	30.00	30.00

WIDTH,BIDITOID, CM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	46.88	47.17	41.39	47.93	47.48	46.26
STANDARD DEVIATION	3.49	2.55	1.45	3.72	3.10	3.20
MAX	65.80	55.40	44.60	65.80	65.80	55.40
MIN	27.90	42.60	39.20	27.90	27.90	39.20

WIDTH, CHEST, CM.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	213.0	113.0	21.0	79.0	192.0	134.0
MEAN	32.08	31.34	28.08	34.21	32.52	30.83
STANDARD DEVIATION	3.46	2.55	2.47	3.47	3.27	2.80
MAX	41.90	39.10	35.00	41.90	41.90	39.10

MIN	23.10	23.10	23.20	28.30	23.10	23.10

WIDTH,HIPS, CM.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	33.93	33.85	33.59	34.14	33.97	33.81
STANDARD DEVIATION	1.87	1.83	2.62	1.70	1.77	1.96
MAX	39.00	39.00	38.60	38.50	39.00	39.00
MIN	28.40	28.40	28.70	30.10	28.40	28.40

WIDTH, MUSGRAVE, CM.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	210.0	111.0	21.0	78.0	189.0	132.0
MEAN	37.89	38.35	33.76	38.35	38.35	37.62
STANDARD DEVIATION	2.69	2.39	1.92	2.31	2.35	2.86
MAX	45.40	45.40	37.80	44.30	45.40	45.40
MIN	28.80	31.20	28.80	33.50	31.20	28.80

CHEST, DEPTH EXP

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	162.0	102.0	14.0	46.0	148.0	116.0
MEAN	23.18	23.14	23.04	23.32	23.20	23.13
STANDARD DEVIATION	2.06	2.23	1.81	1.75	2.09	2.18
MAX	32.60	32.60	26.40	27.20	32.60	32.60
MIN	18.30	18.30	21.00	19.20	18.30	18.30

CHEST,DEPTH

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST

TOTAL NUMBER OF	134.0	78.0	14.0	44.0	140.0	110.0
MEAN	24.94	24.92	24.04	25.27	25.03	24.81
STANDARD DEVIATION	1.87	1.85	2.33	1.71	1.81	1.93
MAX	33.70	33.70	29.90	29.50	33.70	33.70
MIN	20.50	21.10	20.50	22.40	21.10	20.50

CHEST, FRONT

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	191.0	113.0	21.0	57.0	170.0	134.0
MEAN	31.04	31.18	27.93	31.90	31.42	30.67
STANDARD DEVIATION	2.68	2.48	2.38	2.37	2.46	2.73
MAX	39.30	39.10	35.00	39.30	39.30	39.10
MIN	23.10	23.10	25.20	27.80	23.10	23.10

CHEST, REAR

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	174.0	113.0	21.0	40.0	153.0	134.0
MEAN	35.44	35.61	31.02	37.27	36.04	34.89
STANDARD DEVIATION	4.39	2.65	1.53	7.08	4.31	3.01
MAX	79.30	42.80	35.00	79.30	79.30	42.80
MIN	28.80	29.80	28.80	32.30	29.80	28.80

TRUNK, CIR R

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	7.0	7.0	0.0	0.0	7.0	7.0
MEAN	66.56	66.56	0.00	0.00	66.56	66.56
STANDARD DEVIATION	4.23	4.23	0.00	0.00	4.23	4.23
MAX	71.40	71.40	0.00	0.00	71.40	71.40
MIN	59.30	59.30	0.00	0.00	59.30	59.30

TRUNK, CIR L

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	7.0	7.0	0.0	0.0	7.0	7.0
MEAN	66.84	66.84	0.00	0.00	66.84	66.84
STANDARD DEVIATION	4.48	4.48	0.00	0.00	4.48	4.48
MAX	72.20	72.20	0.00	0.00	72.20	72.20
MIN	59.30	59.30	0.00	0.00	59.30	59.30

TRUNK, DIR R

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	174.0	103.0	21.0	50.0	153.0	124.0
MEAN	66.76	67.73	60.18	67.54	67.67	66.45
STANDARD DEVIATION	4.52	3.23	6.81	3.21	3.21	4.92
MAX	76.80	76.80	65.40	75.40	76.80	76.80
MIN	38.00	60.50	38.00	61.20	60.50	38.00

TRUNK, DIR L

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	172.0	103.0	21.0	48.0	151.0	124.0
MEAN	66.98	67.90	60.55	67.83	67.88	66.66
STANDARD DEVIATION	4.51	3.19	6.87	3.29	3.22	4.88
MAX	76.90	76.90	65.10	75.00	76.90	76.90
MIN	38.10	61.40	38.10	61.30	61.30	38.10

GIRTH, CROWN, CM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	57.62	57.75	55.28	58.05	57.88	57.37
STANDARD DEVIATION	2.24	2.44	1.21	1.38	2.21	2.62

MAX	62.00	62.00	58.00	61.00	62.00	62.00
MIN	34.70	34.70	53.50	55.00	34.70	34.70

GIRTH, CHEST EXP, CM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	210.0	113.0	17.0	80.0	193.0	130.0
MEAN	94.19	94.29	84.71	96.07	95.03	93.03
STANDARD DEVIATION	6.18	5.72	5.94	4.96	5.47	6.58
MAX	116.00	116.00	101.50	106.20	116.00	116.00
MIN	77.00	83.50	77.00	86.00	83.50	77.00

GIRTH CHEST INSP, CM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	210.0	113.0	17.0	80.0	193.0	130.0
MEAN	99.84	99.81	89.88	102.00	100.72	98.51
STANDARD DEVIATION	8.17	8.85	5.96	5.68	7.75	9.15
MAX	122.50	122.50	104.50	119.00	122.50	122.50
MIN	26.80	26.80	81.00	81.50	26.80	26.80

GIRTH, CHEST FEMALE, CM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	12.0	0.0	12.0	0.0	0.0	12.0
MEAN	87.11	0.00	87.11	0.00	0.00	87.11
STANDARD DEVIATION	6.69	0.00	6.69	0.00	0.00	6.69
MAX	104.00	0.00	104.00	0.00	0.00	104.00
MIN	80.10	0.00	80.10	0.00	0.00	80.10

GIRTH,NECK, CM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST

TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	37.47	37.91	31.21	38.49	38.15	36.86
STANDARD DEVIATION	3.50	3.23	1.65	2.43	2.93	3.89
MAX	57.50	57.50	35.70	49.50	57.50	57.50
MIN	28.10	32.30	28.10	34.80	32.30	28.10

GIRTH,WAIST, CM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	212.0	112.0	20.0	80.0	192.0	132.0
MEAN	82.70	83.01	70.24	85.38	84.00	81.08
STANDARD DEVIATION	9.86	10.84	7.73	5.80	9.14	11.37
MAX	109.60	109.60	88.60	103.70	109.60	109.60
MIN	7.50	7.50	62.00	76.00	7.50	7.50

GIRTH, THIGH R, CM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	57.08	56.91	56.17	57.55	57.18	56.80
STANDARD DEVIATION	3.91	3.92	4.34	3.76	3.86	3.98
MAX	70.50	68.70	63.00	70.50	70.50	68.70
MIN	47.20	47.20	49.50	50.00	47.20	47.20

GIRTH, THIGH L, CM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	56.87	56.73	56.01	57.29	56.96	56.62
STANDARD DEVIATION	3.81	3.86	3.92	3.70	3.80	3.86
MAX	69.20	68.00	63.50	69.20	69.20	68.00
MIN	48.50	48.50	49.50	49.00	48.50	48.50

GIRTH, KNEE R, CM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	38.78	38.86	38.07	38.86	38.86	38.73
STANDARD DEVIATION	2.51	2.39	3.14	2.49	2.43	2.53
MAX	47.10	44.50	44.90	47.10	47.10	44.90
MIN	28.40	32.80	31.60	28.40	28.40	31.60

GIRTH KNEE L, CM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	38.83	38.74	38.21	39.13	38.90	38.66
STANDARD DEVIATION	2.38	2.35	3.07	2.21	2.30	2.47
MAX	46.50	44.50	45.00	46.50	46.50	45.00
MIN	32.50	32.50	33.50	34.20	32.50	32.50

GIRTH, BICEPS R, CM.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	32.21	32.36	27.70	33.18	32.70	31.63
STANDARD DEVIATION	2.89	2.39	3.83	2.07	2.29	3.15
MAX	40.60	40.60	38.00	39.00	40.60	40.60
MIN	23.00	27.00	23.00	28.50	27.00	23.00

GIRTH, BICEPS L, CM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	31.56	31.70	27.16	32.51	32.04	30.99

STANDARD DEVIATION	2.73	2.32	3.60	2.10	2.38	3.20
MAX	40.60	40.60	37.00	38.20	40.60	40.60
MIN	23.00	26.00	23.00	27.40	26.00	23.00

GIRTH, CALF R

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	36.85	37.04	34.41	37.23	37.12	36.62
STANDARD DEVIATION	2.38	2.44	2.07	1.99	2.26	2.57
MAX	49.20	49.20	37.90	43.20	49.20	49.20
MIN	30.00	32.70	30.00	33.00	32.70	30.00

GIRTH, CALF L

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	214.0	113.0	21.0	80.0	193.0	134.0
MEAN	36.73	36.95	34.19	37.08	37.01	36.52
STANDARD DEVIATION	2.33	2.42	1.90	1.86	2.20	2.55
MAX	48.40	48.40	37.70	42.70	48.40	48.40
MIN	31.00	32.70	31.00	33.40	32.70	31.00

HIP/KNEE EXT,PEAK LB.

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	191.0	95.0	21.0	75.0	170.0	116.0
MEAN	170.26	173.39	115.79	181.55	176.99	162.96
STANDARD DEVIATION	32.27	27.26	19.19	25.42	26.70	34.17
MAX	229.80	229.80	168.40	223.70	229.80	229.80
MIN	68.44	87.70	84.20	68.44	68.44	84.20

HIP/KNEE EXT,MEAN LB.

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST

	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	190.0	95.0	21.0	74.0	169.0	116.0
MEAN	154.60	158.29	104.08	164.20	160.88	148.48
STANDARD DEVIATION	31.50	26.83	17.36	26.73	26.87	32.87
MAX	223.70	209.50	139.10	223.70	223.70	209.50
MIN	73.20	82.00	73.20	92.90	82.00	73.20

HIP/KNEE DECR, %

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	189.0	95.0	21.0	73.0	168.0	116.0
MEAN	-2.43	-2.46	-2.04	-2.51	-2.48	-2.38
STANDARD DEVIATION	1.72	1.80	0.88	1.81	1.80	1.67
MAX	0.00	0.00	-0.70	0.00	0.00	0.00
MIN	-14.20	-14.20	-4.90	-10.60	-14.20	-14.20

HIP/KNEE EXT MACH ARM,CM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	192.0	96.0	21.0	75.0	171.0	117.0
MEAN	21.86	22.01	20.69	22.00	22.00	21.77
STANDARD DEVIATION	1.09	1.06	0.79	1.02	1.04	1.13
MAX	24.35	24.35	22.20	24.25	24.35	24.35
MIN	18.25	18.50	18.25	20.12	18.50	18.25

HIP/KNEE FLEX, PEAK LB

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	190.0	95.0	21.0	74.0	169.0	116.0
MEAN	42.47	43.36	27.40	45.60	44.34	40.47
STANDARD DEVIATION	10.39	9.73	4.06	8.77	9.36	10.88
MAX	70.40	68.60	35.10	70.40	70.40	68.60
MIN	20.30	21.00	20.30	26.50	21.00	20.30

HIP/KNEE FLEX,MEAN LB

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	190.0	95.0	21.0	74.0	169.0	116.0
MEAN	36.65	37.51	24.50	39.00	38.16	35.15
STANDARD DEVIATION	9.09	8.32	4.53	8.38	8.36	9.24
MAX	60.80	60.80	34.70	57.60	60.80	60.80
MIN	16.80	17.90	16.80	19.90	17.90	16.80

HIP/KNEE FLEX, DECR

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	190.0	95.0	21.0	74.0	169.0	116.0
MEAN	-2.87	-3.05	-2.56	-2.72	-2.91	-2.96
STANDARD DEVIATION	1.74	2.00	1.19	1.49	1.80	1.89
MAX	4.30	-0.60	0.00	4.30	4.30	0.00
MIN	-15.50	-15.50	-4.50	-7.30	-15.50	-15.50

ARM EXT, PEAK LB

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	29.08	29.67	18.86	30.95	30.20	27.95
STANDARD DEVIATION	6.87	5.66	4.96	6.59	6.08	6.81
MAX	52.60	44.50	30.60	52.60	52.60	44.50
MIN	13.50	15.90	13.50	15.40	15.40	13.50

ARM EXT, MEAN LB.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0

MEAN	23.17	23.38	15.37	27.23	26.23	23.77
STANDARD DEVIATION	6.11	4.95	3.73	5.76	5.35	6.01
MAX	43.20	37.40	26.60	43.20	43.20	37.40
MIN	11.60	12.50	11.60	15.80	12.50	11.60

ARM EXT DECR, %

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	212.0	112.0	21.0	79.0	191.0	133.0
MEAN	-2.82	-2.88	-3.00	-2.69	-2.80	-2.89
STANDARD DEVIATION	1.41	1.49	0.96	1.40	1.45	1.41
MAX	0.00	0.00	-1.60	0.00	0.00	0.00
MIN	-8.50	-8.50	-4.80	-8.00	-8.50	-8.50

ARM EXT, MACH ARM, CM.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	112.0	21.0	78.0	190.0	133.0
MEAN	13.33	13.38	11.97	13.64	13.48	13.16
STANDARD DEVIATION	1.13	0.75	0.52	1.42	1.08	0.88
MAX	23.50	15.50	13.20	23.50	23.50	15.50
MIN	11.20	12.00	11.20	12.00	12.00	11.20

ARM FLEX, PEAK LB.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	32.74	33.24	20.29	35.34	34.11	31.18
STANDARD DEVIATION	7.78	6.07	7.54	6.90	6.49	7.89
MAX	61.60	61.60	45.60	50.00	61.60	61.60
MIN	11.30	15.90	11.30	15.31	15.31	11.30

ARM FLEX MEAN LB.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	28.86	29.47	16.82	31.19	30.19	27.46
STANDARD DEVIATION	6.98	4.91	6.45	6.45	5.65	6.94
MAX	45.00	44.60	41.10	45.00	45.00	44.60
MIN	6.90	13.20	10.20	6.90	6.90	10.20

ARM FLEX DECR, %

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	212.0	112.0	21.0	79.0	191.0	133.0
MEAN	-2.29	-2.12	-2.62	-2.44	-2.26	-2.20
STANDARD DEVIATION	1.24	1.17	1.31	1.30	1.23	1.20
MAX	0.00	0.00	-1.00	0.00	0.00	0.00
MIN	-8.70	-6.80	-5.60	-8.70	-8.70	-6.80

SHOULDER EXT, PEAK, LB

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	84.17	89.76	49.49	85.52	88.00	83.36
STANDARD DEVIATION	21.32	17.49	12.56	19.52	18.43	22.35
MAX	148.20	148.20	73.70	139.20	148.20	148.20
MIN	28.10	56.10	28.10	38.60	38.60	28.10

SHOULDER EXT, MEAN LB.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	73.43	78.46	42.10	74.69	76.89	72.67
STANDARD DEVIATION	20.36	17.06	12.04	19.15	18.01	21.09
MAX	133.10	133.10	65.80	120.70	133.10	133.10
MIN	16.90	46.80	16.90	34.40	34.40	16.90

SHOULDER EXT, DECR, %

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	-3.01	-2.95	-3.54	-2.94	-2.95	-3.05
STANDARD DEVIATION	1.37	1.33	1.74	1.30	1.32	1.41
MAX	1.70	1.70	-1.10	-0.21	1.70	1.70
MIN	-8.50	-6.80	-8.50	-7.41	-7.41	-8.50

SHOULDER EXT MACH ARM CM

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	210.0	111.0	21.0	78.0	189.0	132.0
MEAN	21.30	21.46	20.91	21.18	21.35	21.38
STANDARD DEVIATION	0.93	0.94	0.75	0.90	0.94	0.94
MAX	24.20	24.20	23.00	24.00	24.20	24.20
MIN	20.00	20.00	20.50	20.20	20.00	20.00

SHOULDER FLEX, PEAK LB

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	74.21	77.05	46.35	77.62	77.29	72.17
STANDARD DEVIATION	17.72	14.93	9.64	16.60	15.60	18.12
MAX	122.80	109.70	70.10	122.80	122.80	109.70
MIN	27.40	38.60	27.40	31.60	31.60	27.40

SHOULDER FLEX, MEAN LB

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0

MEAN	65.28	68.13	40.12	67.97	68.06	63.67
STANDARD DEVIATION	16.80	14.26	9.30	16.18	15.05	17.02
MAX	115.80	100.80	60.80	115.80	115.80	100.80
MIN	13.70	34.80	21.90	13.70	13.70	21.90

SHOULDER FLEX,DECR %

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	211.0	111.0	21.0	79.0	190.0	132.0
MEAN	-2.78	-2.61	-3.14	-2.94	-2.75	-2.69
STANDARD DEVIATION	1.48	1.19	2.39	1.53	1.35	1.45
MAX	-0.70	-0.70	-1.00	-0.77	-0.70	-0.70
MIN	-12.90	-6.40	-12.90	-10.20	-10.20	-12.90

BACK EXT, PEAK, LB.

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	190.0	105.0	21.0	64.0	169.0	126.0
MEAN	164.64	174.61	122.63	162.06	169.86	165.95
STANDARD DEVIATION	38.00	35.49	30.19	34.67	35.61	39.65
MAX	229.00	224.60	189.50	229.00	229.00	224.60
MIN	67.00	67.00	81.10	84.30	67.00	67.00

BACK EXT, MEAN LB.

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	190.0	105.0	21.0	64.0	169.0	126.0
MEAN	151.19	159.92	106.55	151.50	156.73	151.03
STANDARD DEVIATION	36.71	34.28	28.21	32.56	33.79	38.78
MAX	219.90	219.90	174.70	216.70	219.90	219.90
MIN	64.30	64.90	64.30	76.10	64.90	64.30

BACK EXT DECR %

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	27.0	1.0	0.0	26.0	27.0	1.0
MEAN	-5.68	20.50	0.00	-6.68	-5.68	20.50
STANDARD DEVIATION	6.67	0.00	0.00	4.21	6.67	0.00
MAX	20.50	20.50	0.00	-1.16	20.50	20.50
MIN	-17.30	20.50	0.00	-17.30	-17.30	20.50

BACK EXT MACH ARM CM.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	192.0	106.0	21.0	65.0	171.0	127.0
MEAN	21.19	21.13	20.85	21.41	21.24	21.08
STANDARD DEVIATION	2.55	0.76	0.67	4.26	2.68	0.75
MAX	54.60	23.50	22.50	54.60	54.60	23.50
MIN	20.00	20.00	20.50	20.00	20.00	20.00

BACK FLEX PEAK, LB.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	191.0	105.0	21.0	65.0	170.0	126.0
MEAN	80.97	85.97	62.54	78.84	83.24	82.07
STANDARD DEVIATION	21.42	20.47	17.12	20.80	20.83	21.73
MAX	133.30	123.20	110.50	133.30	133.30	123.20
MIN	29.90	42.10	38.50	29.90	29.90	38.50

BACK FLEX, MEAN LB.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	191.0	105.0	21.0	65.0	170.0	126.0
MEAN	72.30	76.47	53.57	71.61	74.61	72.65
STANDARD DEVIATION	19.50	19.16	13.60	18.18	18.89	20.21
MAX	115.80	113.10	84.20	115.80	115.80	113.10

MIN	26.70	38.30	<38.70	26.70	26.70	38.30

BACK FLEX, DECR %

	ALL SUBJECT	MISSION SPECIALIST MALE	FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	27.0	0.0	0.0	27.0	27.0	0.0
MEAN	-7.38	0.00	0.00	-7.38	-7.38	0.00
STANDARD DEVIATION	5.06	0.00	0.00	5.06	5.06	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00
MIN	-16.70	0.00	0.00	-16.70	-16.70	0.00

SKIN FOLD CHEST, MEAN MM

	ALL SUBJECT	MISSION SPECIALIST MALE	FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	190.0	112.0	0.0	78.0	190.0	112.0
MEAN	11.52	11.93	0.00	10.93	11.52	11.93
STANDARD DEVIATION	5.02	5.13	0.00	4.82	5.02	5.13
MAX	30.00	30.00	0.00	23.60	30.00	30.00
MIN	3.00	5.00	0.00	3.00	3.00	5.00

SKIN FOLD ABDOM,MEAN MM.

	ALL SUBJECT	MISSION SPECIALIST MALE	FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	190.0	112.0	0.0	78.0	190.0	112.0
MEAN	22.37	22.64	0.00	21.98	22.37	22.64
STANDARD DEVIATION	9.38	9.27	0.00	9.58	9.38	9.27
MAX	53.00	53.00	0.00	45.60	53.00	53.00
MIN	5.00	6.00	0.00	5.00	5.00	6.00

SKIN FOLD THIGH,MEAN MM.

	ALL SUBJECT	MISSION SPECIALIST MALE	FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST

TOTAL NUMBER OF	211.0	112.0	21.0	78.0	170.0	133.0
MEAN	18.46	17.39	30.74	16.69	17.11	19.50
STANDARD DEVIATION	7.74	6.59	8.97	5.85	6.29	8.52
MAX	46.00	38.60	46.00	35.00	38.60	46.00
MIN	5.00	5.00	13.30	6.60	5.00	5.00

SKIN FOLD, TRICEP, MEAN

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	21.0	0.0	21.0	0.0	0.0	21.0
MEAN	19.57	0.00	19.57	0.00	0.00	19.57
STANDARD DEVIATION	6.05	0.00	6.05	0.00	0.00	6.05
MAX	33.40	0.00	33.40	0.00	0.00	33.40
MIN	11.60	0.00	11.60	0.00	0.00	11.60

SKIN FOLD, SUP IL,MEAN

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	21.0	0.0	21.0	0.0	0.0	21.0
MEAN	16.70	0.00	16.70	0.00	0.00	16.70
STANDARD DEVIATION	9.03	0.00	9.03	0.00	0.00	9.03
MAX	41.10	0.00	41.10	0.00	0.00	41.10
MIN	5.00	0.00	5.00	0.00	0.00	5.00

LBM

		MISSION SPECIALIST				ALL MISSION
	ALL SUBJECT	MALE	FEMALE	PILOTS	ALL MALES	SPECIALIST
TOTAL NUMBER OF	212.0	112.0	21.0	79.0	191.0	133.0
MEAN	135.23	137.26	94.06	143.31	139.76	130.44
STANDARD DEVIATION	19.59	15.48	9.18	12.12	14.46	21.54
MAX	178.90	176.80	114.90	178.90	178.90	176.80
MIN	78.60	87.90	78.60	117.90	87.90	78.60

BODY FAT

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	212.0	112.0	21.0	79.0	191.0	133.0
MEAN	16.34	15.70	25.06	14.92	15.38	17.18
STANDARD DEVIATION	6.08	5.48	5.36	5.18	5.36	6.43
MAX	34.70	32.80	34.70	25.71	32.80	34.70
MIN	1.40	1.40	16.80	4.70	1.40	1.40

CHINS NO.

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	180.0	110.0	12.0	58.0	168.0	122.0
MEAN	7.31	7.23	0.58	8.86	7.79	6.58
STANDARD DEVIATION	4.76	4.57	1.73	4.34	4.54	4.80
MAX	24.00	23.00	6.00	24.00	24.00	23.00
MIN	0.00	0.00	0.00	2.00	0.00	0.00

CHINS PERCENT

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.00	0.00	0.00	0.00	0.00	0.00
STANDARD DEVIATION	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00

HANG SECS

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	135.0	86.0	18.0	31.0	117.0	104.0
MEAN	26.23	13.80	31.39	57.71	25.44	16.85
STANDARD DEVIATION	32.76	25.99	25.77	31.97	33.73	26.68

MAX	137.00	70.00	79.00	137.00	137.00	70.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00

HANG SECS, PCT

	ALL SUBJECT	MISSION SPECIALIST MALE	MISSION SPECIALIST FEMALE	PILOTS	ALL MALES	ALL MISSION SPECIALIST
TOTAL NUMBER OF	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.00	0.00	0.00	0.00	0.00	0.00
STANDARD DEVIATION	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00