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STRUCTURAL FLIGHT LOADS DATA FROM C-130 AIRCRAFT

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WRIGHT-PATTERSON AIR FORCE BASE, OHIO

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Technology Incorporated, Dayton, Ohio;
Authors: Larry E. Clay and Alan P. Berens)

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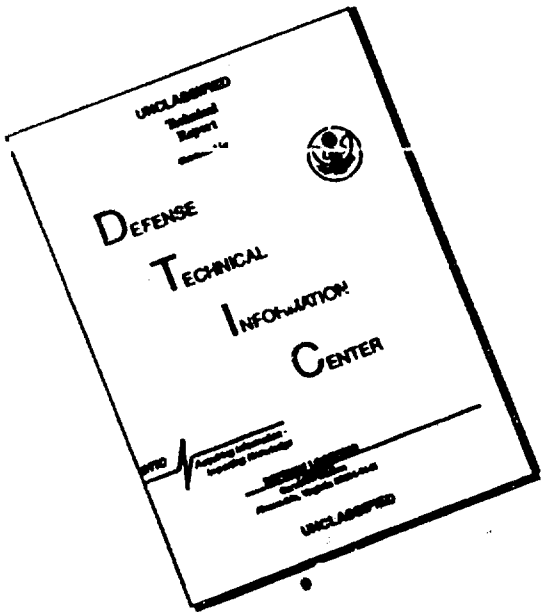

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FOREWORD

This report on the C-130 flight loads program was prepared by Technology Incorporated, Dayton, Ohio, in compliance with the requirements of Air Force Contract AF 33(657)-9845. The program was initiated by the Structures and Air Environment Division, Directorate of Defense and Transport Systems Engineering, Deputy for Systems Engineering, Research and Technology Division, Wright-Patterson Air Force Base, Ohio. Lt. Joseph Madden, of the C-130 System Program Office, Aeronautical Systems Division, was the Air Force project monitor and Lt. Ned H. Sandlin, of Structures and Air Environment Division, provided engineering support. The key personnel of Technology Incorporated involved in this contract were as follows: Mr. Joseph F. Braun, project engineer; Mr. Cyril G. Peckham, director of the Data Processing Division; Mr. John F. Nash, supervisor of the Data Reduction Section; and Mr. Kenneth L. Rickey, director of the Systems and Electronics Division.

The authors gratefully acknowledge the assistance given by personnel of the United States Air Force and the United States Coast Guard and by Messrs. William E. Morrin, John Mitchell, and James Gallico of Technology Incorporated.

ABSTRACT

This report discusses a C-130 flight loads program conducted to obtain, process, and analyze data of three in-flight variables—normal acceleration at the aircraft's center of gravity, altitude, and airspeed. From four C-130 models —C-130A, C-130B, JC-130, and HC-130G—8155 hours of usable data were acquired. The aircraft operated from six bases located in the Pacific, the Continental United States, and Europe. Presented in this report are a history of the data recording and discussions of the techniques for data recording, processing, and analyzing. None of the models yielded any data exceeding the design limit load factors. The various air base locations appreciably affected the gust spectra. In the lower load factor range of the C-130A and C-130B data, the gust spectrum was more severe than the maneuver spectrum.

PUBLICATION REVIEW

This report has been reviewed and is approved.

William B Miller

WILLIAM B. MILLER
Chief, Structures and Air
Environment Division

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SECTION I

INTRODUCTION

This report discusses the C-130 structural flight loads program conducted to obtain, process, and analyze service loads data from four models of this aircraft type. These models are the C-130A, C-130B, JC-130, and HC-130G. Since all models are similar in configuration, the C-130 photograph, shown in Figure 1, may typify all the aircraft. The processed data analyzed and presented in tabular and graphic form will be used to derive the operational loads spectrum for each of the models. Then these spectra will be related to previous investigations for possible revision of the predicted loads spectra and fatigue analyses.

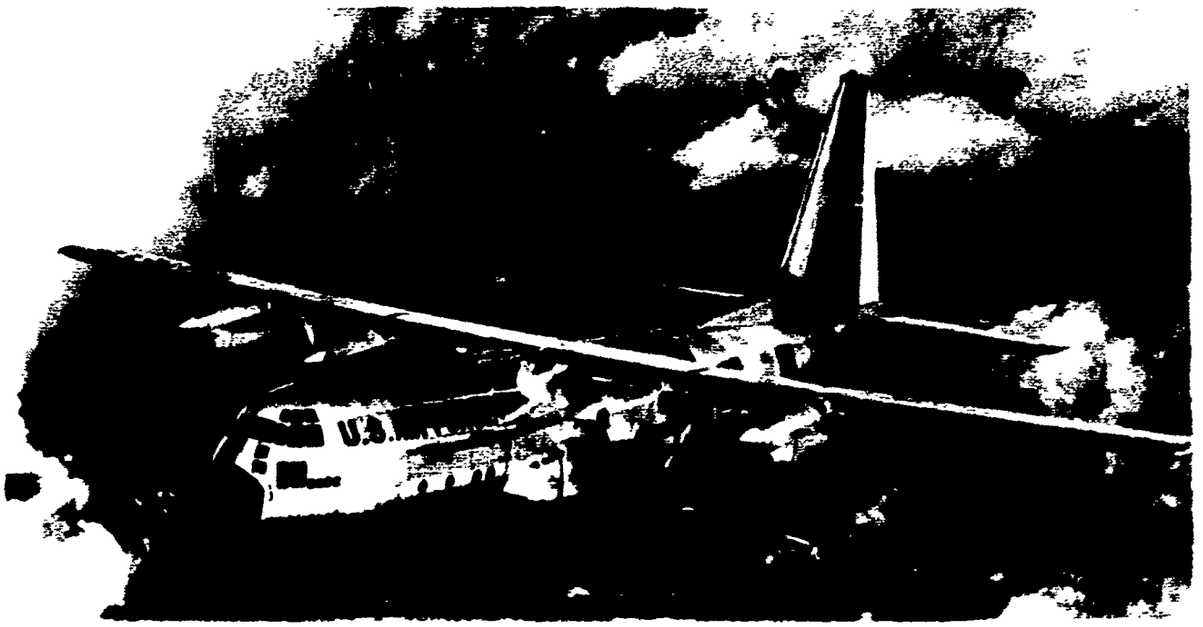

Figure 1. View of C-130 Airplane

Denoted by "VGH," the recorded in-flight parameters are normal acceleration at the aircraft center of gravity, airspeed, and altitude. As listed in "Flight Loads Instrumentation of C-130 Aircraft" (Ref. 1), other associated data are integrated with these parameters to provide information needed for certain computations and to permit the breakdown of the flight loads according to mission type and ranges of aircraft gross weight as well as ranges of airspeed and altitude.

Presented in the following sections are a history of the data recording phase of the program; techniques for data recording, processing, and analysis; a discussion of the analyzed data; and a critical review of the data results.

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SECTION II

DISCUSSION

A. Data Recording Program History

The C-130 aircraft instrumented to represent the in-flight performance of the four models were located at six bases. Table I lists these bases along with the models of C-130 aircraft instrumented at each base.

Table 1

Aircraft Instrumentation by Air Base and Model

Air Base	Model
Dyess Air Force Base, Texas	C-130A*
Evreux Air Base, France	C-130A and C-130B
Naha Air Base, Okinawa	C-130A
Sewart Air Force Base, Tennessee	C-130A* and C-130B
Hickam Air Force Base, Hawaii	JC-130
Barbers Point Naval Air Station, Hawaii	HC-130G

*During July 1963 the aircraft instrumented at Dyess Air Force Base were transferred to Sewart Air Force Base.

To acquire the desired amount of data within the prescribed recording period, Technology Incorporated prepared 50 recording systems and initially instrumented 70 aircraft so that the systems could be transferred from one aircraft to another for their maximum use. During the eleven-month field effort, an additional 39 aircraft were instrumented to replace those no longer available because of transfer, modification, and other reasons. The distribution of the four models among the first 70 instrumented aircraft was as follows: 31 C-130A's, 29 C-130B's, 7 JC-130's, and 3 HC-130G's.

Installation of the recording systems was begun on 27 November 1962 and completed on 11 February 1963. Data recording was initiated on 2 January 1963 and ended on 31 October 1963. From the data recorded during this period, 8,155 hours of flight data were subsequently processed and analyzed. All recording systems were removed from the aircraft by 22 November 1963.

Early in the data recording program, structural cracks were discovered in the wing risers of some C-130B aircraft. Consequently, all C-130B, JC-130, and HC-130G aircraft were placed under airspeed and load factor restrictions until their structures could be adequately modified. The restriction on each aircraft was removed after its structure had been modified satisfactorily. Between 27 March and 16 June 1963, 301.2 flight hours were recorded on the restricted aircraft. Although this data was processed, it was not combined with the rest of the data.

Between 15 July and 16 August 1963, some 150 C-130B aircraft participated in the Swift Strike III exercises conducted in the southeastern part of the United States. Among the participating aircraft were 60 C-130B's from Sewart Air Force Base, of which 6 were equipped with recording systems. Collectively, the 6 aircraft flew more than 85 flights involving air drops of cargo and paratroops, cargo drops with a ground proximity extraction system used, and assault landings.

B. Data Recording, Processing, and Analysis Techniques

1. Data Recording System

The VGH data recording system comprised a Century Model 409H oscillograph, a bridge control unit, and strain gage type of transducers. With the exception of the accelerometer, the instrumentation was positioned near Fuselage Station 245 in the cargo compartment. The accelerometer was installed at about Fuselage Station 517; this position was selected from the available areas as the one closest to the aircraft's center of gravity. Reference 1 contains a detailed description of the instrumentation and installation.

Each parameter was traced on a 3 5/8-inch-wide oscillogram by a reflected beam of light whose projection onto the photosensitive paper varied in proportion to the rotation of a galvanometer mirror in the oscillograph. The oscillogram ran at a constant speed of eight inches per minute and could record approximately 3 1/2 hours of continuous in-flight data. The frequency response of the recording system was limited to approximately eight cycles per second since individual acceleration peaks of higher frequency could not be distinguished because of the slow oscillogram speed. However, this limitation could affect only high-frequency or fine-scale turbulence data whose acceleration values would normally be below the reading threshold.

2. Data Processing

To prepare the oscillogram records for the data reduction process, editors reviewed each record to check the proper functioning of the recording instrumentation and to note the instants at which the parameters were to be read. Then, using semiautomatic Benson-Lehner Oscar K readers with key-punch output, machine operators measured the displacements of the parameters at the selected instants.

As indicated in the following, several reviews of the data extracted from the oscillograms were conducted before, during, and after the computations performed at the IBM 7094 computer facility at Wright-Patterson Air Force Base. First, a "preliminary check" was made to ensure the correct machine reading of the record, that is, all measurements taken at the selected instants, proper code symbols employed, and large displacements correctly

measured. Second, all records passing the preliminary check were submitted to the Quality Control Section for checking the measurement accuracy. Quality control personnel randomly selected and precisely measured in each record sample displacements, the sample size varying with the total number of readings within an oscillogram and with the accuracy previously observed. These measurements compared with the corresponding ones obtained by the machine operation yielded discrepancies which were plotted on control charts.

The criteria for the Quality Control rejection of a record were twofold: (1) two discrepancies plotted outside the limits of the corresponding control chart and (2) continuance of discrepancies found to be either all positive or all negative, even though their plots were within the control limits. The initial detection of all positive or all negative discrepancies caused an increase in the sample size. Either cause for record rejection required return of the record with the reason for rejection to the data reduction section. After the original machine operator, identified on the record by a code number known only by the data reduction supervisor, was informed of the type of error, she was directed either to make the necessary corrections or to reread the entire record. Such detections and subsequent corrective actions ensured a reading consistency among the machine operators.

Both the mean and standard deviations were computed progressively throughout the program to check the criteria for the limits used on the control charts. Upon completing the processing of the 8155 hours of flight data, the mean value of the discrepancies was 0.0004 g and the standard deviation was 0.01 g. Consequently, 99.7 percent of the data should have an error less than 0.03 g.

Preparatory to computing the data, data extracted from Supplementary Data forms and the preflight calibration section of the oscillograms were merged with the data from the records found acceptable by the Quality Control Section. The supplementary and calibration information for each record were checked for completeness and harmony with other data acquired from the same recording system.

The computer program compared acceleration, altitude, and airspeed values, gross weight computations, and combinations of these with operational limits based on data extracted from References 6 and 7. Any value or combination of values falling outside a limit was detected by the computer and noted in a "comments" column in a preliminary computer printout. If a value exceeded a limit to the extent that it indicated erroneous data, the computer rejected all data in the record and proceeded to the processing of the data in the next record. If successive measurements bypassed airspeed or altitude ranges, the computer interpolated values to represent each bypassed range and printed a comment to indicate that the interpolation had been performed. The computer sorted the processed values for printing in tabular form. The printed data includes the following parameters in various combinations: gross weight, equivalent airspeed,

Each acceleration peak was designated as either a maneuver or a gust and was denoted, respectively, by n_z or Δn_z. The following trace characteristics indicated the effects of turbulent conditions and, consequently, governed the identification of a peak as a gust:

(1) a jagged pattern in the airspeed trace,

(2) frequency and random changes in the acceleration trace with most of its peaks being sharply pointed, and

(3) an acceleration peak whose duration was generally less than two seconds.

Those peaks not accompanied with these trace characteristics were designated as maneuvers.

3. Data Analysis Techniques

The structural loads associated with the different mission types were compared by preparing "exceedance" curves for each mission type. These curves may be defined as plots of the time required to reach or exceed given values of the normal load factor. Exceedance curves based on the composite of data from all mission types were also prepared to indicate the structural loads environment for aircraft performing the various assignments constituting normal operation. As the data were combined, special weighting techniques were used to compensate for differences in the operational requirements at the six bases and for the unintentional unbalance in the types of missions recorded at each base.

Values of derived gust velocity (U_{de}) for the C-130 aircraft were calculated by using the following equation:

$$U_{de} = \frac{1.1850 \cdot W \cdot \Delta n_z}{m \cdot \rho_o \cdot S \cdot V_e \cdot K_g} ,$$

where

U_{de} = derived gust velocity in ft/sec,
W = gross weight in pounds,
Δn_z = incremental normal load factor = $n_z - 1.0$,
m = lift curve slope (per radian),
ρ_o = sea level density = .0023779 slugs/ft^3,
S = wing area = 1745 ft^2,
V_e = equivalent airspeed in knots,
K_g = gust factor, defined as follows

$$K_g = \frac{0.88 \mu_g}{5.3 + \mu_g}$$

and μ_g may be expressed by $\mu_g = \frac{2W/\rho_o}{m \cdot \sigma \cdot c \cdot S \cdot g}$

where

g = acceleration of gravity = 32.174 ft/sec^2,

σ = density ratio = ρ/ρ_o, and

c = mean aerodynamic chord = 13.7 ft.

Substitution of the constant values in the U_{d_e} equation yields

$$U_{d_e} = (1573\sigma + 0.3248 \frac{W}{m}) \frac{\Delta n}{V_e}$$

where the lift-curve slope m for the C-130 is defined for V_e as follows:

$V_e \geq 150$ knots:

$1/m = 0.1460$;

and

$V_e < 150$ knots:

$1/m = 0.1160 + (9 \times 10^{-7})h + 0.016(0.01V_e - 1)(4 - 0.0001h)$.

These equations for lift-curve slope m are curve-fits of the aerodynamic data presented in Figures 132 and 2.3.16 in Reference 5.

SECTION III

DATA SUMMARY

A. General

To derive from flight loads data a single graphic or tabular representation of the load spectrum encountered by operational aircraft requires consideration of four variables: (1) types of missions flown, (2) air bases used by the aircraft, (3) percentages of the recorded flight time associated with the respective air bases and mission types, and (4) percentages of total operational flight time related to the respective air bases and mission types.

The fact that both air bases and mission types affect the load spectra encountered by the aircraft is clearly demonstrated by the exceedance curves in Figures 33 through 35. Each figure presents two curves, one for the C-130B data from Sewart Air Force Base and the other for the C-130B data from Evreux Air Base. The pairs of exceedance curves represent, respectively, the data acquired in Missions I, II, and III. While each curve in a pair has a corresponding delineation shift from one figure to another to evidence the load spectrum change caused by varying mission type. the marked difference in positioning between each pair manifests the load spectrum change caused by varying air base.

Since the load spectrum is affected by both air base and mission type, the portrayal of an over-all load spectrum must take into account the percentages of recorded flight time associated with the data from the various air bases and

mission types. Finally, these percentages must be adjusted for the corresponding percentages of total wing time to effect a realistic representation. Based on information acquired from January to October of 1963, Table 2 shows percentage breakdowns for each of the four aircraft models. Two sets of percentages are given: one for the recorded data, as indicated by the columns headed "Unweighted Data"; and the other for the wing time, as indicated by the columns headed "Wing Time." First the percentages for each of the sets for each aircraft model are broken down by mission type and then by air base. Although the two sets of figures compare fairly well, it is obvious that the data associated with the percentages for recorded time would have to be adjusted to prevent representations of biased data.

Table 2

Percentages of Total Flight Time by Mission Type and Base for Each Aircraft Type

		Mission I		Mission II		Mission III		Mission IV		All Missions	
Aircraft Model	Air Base	Unweighted Data (%)	Wing Time (%)	Unweighted Data (%)	Wing Time (%)	Unweighted Data (%)	Wing Time (%)	Unweighted Data (%)	Wing Time (%)	Unweighted Data (%)	Wing Time (%)
C-130A	Dyess	2.8	3.4	9.7	6.6	3.0	3.5				
C-130A	Evreux	2.4	3.6	17.5	20.7	8.8	3.3				
C-130A	Naha	8.0	5.1	29.3	34.0	15.3	9.1				
C-130A	Sewart	0.4	6.9	1.9	1.8	0.9	2.0				
C-130A	All Bases	13.6	19.0	58.4	63.1	28.0	17.9			100	100
C-130B	Evreux	7.5	0.1	50.6	35.7	9.2	5.6				
C-130B	Sewart	9.7	17.2	16.1	20.8	6.9	14.6				
C-130B	All Bases	17.2	23.3	66.7	56.5	16.1	20.2			100	100
JC-130	Hickam	68.6	62.2	6.1	17.0	25.3	20.8			100	100
HC-130G	Barbers Point	1.9	0.8	13.6	56.2	56.6	22.6	27.9	20.4	100	100

Therefore, to produce a realistic exceedance curve for the C-130B, for example, would require weighting of the data by air base and mission type according to the associated percentage of recorded time adjusted for the corresponding percentage of wing time. Consequently, weighting factors were derived and employed as follows in the preparation of the composite distributions for each of the aircraft models. Each weighting factor was obtained by acquiring the ratio of the percentage of wing time related to an air base and a mission type to the percentage to recorded time associated with the same air base and mission type. Then the figures within each data block—the figures associated with ranges of certain variables—were multiplied by the weighting factor for the given air base and mission. Products for each data block were summed first by the air bases within a mission type and then by mission type to yield the total to appear in the data block in the composite representation. The frequencies of the load factor peaks appearing in the weighted composite tables contain decimals because of the fractional make-up of the weighting factors. The decimals were retained for a more accurate presentation.

As indicated by the type and arrangement of the printed material, most of the tables presented in this report are reproductions of the computer print-out.

All time values were carried to several decimal places during the computational process, but were rounded off to the nearest tenth of a minute for the print-out. Consequently, in some tables the sum of the time values listed for the individual airspeed ranges differ by a few tenths of a minute from the total time listed for the combined ranges. Since the totals were computed before rounding off, they are more accurate than the sums of the corresponding ranges.

As discussed above, the locations of the various air bases affected the load spectra encountered by the aircraft. Consequently, the distribution of gust velocity U_{de} values among the given altitude ranges is presented for each of the six air bases in Tables 3 through 7. Furthermore, some geographic correlation of the air base location effects upon the spectra was observed. As a result, the gust spectra represented by curves indicating the nautical miles to reach or exceed a given gust velocity U_{de} were grouped for three areas: the Pacific to include Hickam Air Force Base, Barbers Point Naval Air Station, and Naha Air Base; the Continental United States to include Dyess and Sewart Air Force Bases; and Europe to include Evreux Air Base. The gust spectrum curves for these areas are shown, respectively, in Figures 2, 3, and 4. For purposes of comparison, the standard gust spectrum is presented in Figure 5. Relatively severe atmospheric turbulence in the 20,000- to 30,000-foot altitude range is apparent in the curves for the Pacific area. The effects of such turbulence are evidenced in the oscillogram sections photographically reproduced in Figure 75. In general, the data indicate that the turbulence level in Europe was slightly less than that in the Continental United States.

Since the reduction of flight loads data involves the setting of threshold levels below which no acceleration peaks are read, some incremental acceleration values, that is Δn's, which would be significant in the computation of U_{de} values were lost. The threshold levels set for the reduction of the C-130 data were ± 0.1 g from the 1.0-g line. The results obtained in deriving the gust spectra shown in Figures 2 through 4 indicate that some U_{de}'s between 5 and 8 feet per second were not derived because of the missing Δn's when the equivalent airspeed was below 150 knots. Consequently, a small bias in proportion to the percentage of flight time spent at equivalent airspeeds below 150 knots was introduced into the data because of the missing Δn's. Since all U_{de}'s above 5 feet per second were computed for airspeeds above 150 knots, the rest of the data was not affected by the data reduction limitation imposed by the reading thresholds.

B. Specific Data

1. C-130A Data

Figure 6 shows both a graphic and a tabular representation of weighted C-130A data to depict the number of maneuver load factor occurrences within increments of load factor values and ranges of equivalent airspeed. Extracted from Reference 3, the V-n envelope shown in the figure indicates the C-130A

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design load factor limits for values of equivalent airspeed. The solid envelope was based on a design gross weight of 108,000 lb. and the dashed portion of the envelope was prepared for minimum gross weight, both at sea-level conditions. Corresponding to the tabular representation in Figure 6 is the weighted composite for the incremental gust load presented in Table 9.

Shown in the histogram of Figure 7 are the percentages of C-130A flight time spent in selected gross weight ranges. Additional histograms in Figures 8 through 13 show separately the percentages of flight time for selected altitude and airspeed ranges. The histograms for altitude and airspeed are paired in the presentation for each of three missions: Mission I (Airdrop), II (Logistics and Cross Country, and III (Training). Furthermore, Tables 10 through 12 show for each of these missions the flight time distributed among combined ranges of airspeed and altitude. Figures 14 and 15 give the best over-all presentation of flight time expended in ranges of altitude and airspeed. Each of these last two figures show three curves, one for each of the three missions to indicate the percentage of flight time spent below a given altitude (Figure 14) and a given equivalent airspeed (Figure 15). The curves in these figures demonstrate the contrast between the low-altitude and low-airspeed flight profile representative of Mission I (Airdrop) data and the high-altitude and high-airspeed flight profile representative of Mission II (Logistics and Cross Country) data.

Two sets of exceedance curves—the curves of one set to indicate the time to reach or exceed a given load factor level and those of the second to indicate the time to reach or exceed a given incremental load factor (gust)—are presented in Figures 16 through 18 and Figures 19 through 21, respectively.

Each set contains a figure for each of the three missions, and each figure bears a curve for each of the four air bases. The various delineations of the curves in each figure evidence the different load spectra encountered during the performance of the same type of mission. The spectra differences may be attributed to such factors as cruise distances to the airdrop zones, geographical conditions of the air bases, and lengths of the flights. Weighted composites for C-130A gust and maneuver load factor data are presented in Figure 22. Comparison of the gust spectrum with the maneuver spectrum in this figure shows the former to be more severe up to a 1.6 load factor.

Distributions of the number of maneuver and incremental gust load factor occurrances within load factor increments and equivalent airspeed ranges are given for each mission type and air base in Tables 13 through 36. The same data distributed for each mission type and selected ranges of gross weight and altitude are presented in Tables 37 through 74. The data in the first set of tables were used in developing the weighted composites.

2. C-130B Data

Coresponding to the types of graphic and tabular representations presented in Figures 6 through 22 and Tables 9 through 74 for the C-130A data are illustrations shown in Figures 23 through 39 and Tables 75 through 126 for the C-130B data.

Like the V-n envelope shown in Figure 6 for the C-130A, the one in Figure 23 for the C-130B has a solid curve to indicate the load factor-airspeed limits for the 108,000-lb. design gross weight and a dashed curve to indicate the limits for minimum gross weight, both at sea-level conditions. The configurations for the latter curves were taken from Reference 4.

Whereas the mission profiles for the C-130A and C-130B aircraft appear quite similar, the comparison of the distributions of flight by altitude and airspeed for the two models reveals that the C-130B aircraft performed at moderately higher altitudes and airspeeds.

Comparing in Figures 33 through 38 the exceedance curves for the C-130B aircraft at Sewart Air Force Base with the curves for the C-130B aircraft at Evreux Air Base reveals that the aircraft at Sewart encountered more severe load spectra. Reason for this contrast is evidenced by the fact that the flights from Sewart Air Force Base had both a much smaller average duration and a much larger percentage of time in the lower altitude ranges than the flights from Evreux Air Base.

Like the observed results in the study of the C-130A load spectra, comparison in Figures 39 of the weighted composite exceedance curve for the gust load factors with the curve for the maneuver load factors for the C-130B shows the gust spectrum to be more severe up to a 1.6 load factor.

3. JC-130 Data

Figures 40 through 53 and Tables 127 through 168 for the JC-130 data correspond to the types of graphic and tabular illustrations presented in Figures 6 through 22 and Tables 9 through 74 for the C-130A data.

The same curves describing the V-n envelope in Figure 23 for the C-130B data were used to form the pattern in Figure 40 for the design limits of the combinations of load factor and airspeed values for the JC-130 data.

The histograms in Figures 42 through 47 show the percentages of JC-130 flight time spent in selected altitude and airspeed ranges for each of Missions I, II, and III. When the Mission I profiles in these histograms are compared with those for the other aircraft models, it becomes apparent that the JC-130 aircraft had considerably higher percentages of time in the 5,000- to 10,000-foot altitude range and in the below 150-knot equivalent airspeed range.

The exceedance curves presented in Figures 50 through 53 reveal a high degree of similarity between the gust and maneuver load factor spectra encountered by the JC-130 aircraft in the performance of each of the three missions.

In general, the over-all load factor spectrum for the JC-130 aircraft is appreciably less severe than that for either the C-130A or the C-130B aircraft.

4. HC-130G Data

Not only do the Figures 54 through 70 and Tables 169 through 213 for the HC-130G data correspond to the types of graphic and tabular representations presented in Figures 6 through 22 and Tables 9 through 74 for the C-130A data, but also they contain Mission IV (Search and Rescue) data illustrations.

The V-n envelope used in Figure 23 for the C-130B data and in Figure 40 for the JC-130 data served a third time in Figure 54 to describe the design limits of the combinations of load factor and airspeed values for the HC-130G data.

Mission IV, the category for the HC-130G flights performed in U. S. Coast Guard search and rescue operations, yielded data whose percentages of time in selected altitude and airspeed ranges correlated closely with the comparable percentages for Mission III (Training). This correlation, evidenced by the study of the data in Figures 60 through 65, indicates that the profile for Mission IV is similar to that for Mission III.

Like the JC-130 exceedance curves presented in Figures 50 through 53, those for the HC-130G data shown in Figures 66 through 70 indicate a high degree of similarity between the gust and maneuver load factor spectra encountered by the HC-130G aircraft in the performance of each of the four missions.

Comparison of the weighted composite exceedance curves in Figure 22 for the C-130A, Figure 39 for the C-130B, Figure 53 for the JC-130, and Figure 70 for the HC-130G reveals that the over-all load factor spectrum for the HC-130G aircraft was the least severe of the spectra encountered by the four models.

5. Swift Strike III Exercise Data

Depicting the 96.2 hours of data recorded on the C-130B aircraft engaged in Swift Strike III Exercise is Figure 71 which presents maneuver load factor exceedance curves for Mission I, II, and III. In addition to these three, plotted as solid curves, there also appears for purposes of comparison a fourth curve, the weighted composite maneuver load factor exceedance curve for all C-130B data, which was taken from Figure 39 and was plotted as a dashed curve. That the load factor spectrum indicated by the Mission III, Swift Strike III Exercise

curve has the greatest apparent severity is attributed to the large number of assault flights which were conducted during this exercise. As defined above in II, B, 2, Mission III, designated "Training," includes data from touch-and-go and assault landings as well as from training flights.

Other summaries for the Swift Strike III Exercise data include Tables 214 through 216 which give distributions of flight time in combined altitude and airspeed ranges for each of the three missions and Tables 217 through 219 which present distributions of maneuver load factors by load factor increments and equivalent airspeed ranges for each of the three missions.

Since the flights in the Swift Strike III Exercise are considered a part of normal operation, the 96.2 hours of data were incorporated into the data discussed above in the treatment of the C-130B data.

6. Restricted Operation Data

Representative of the C-130B, JC-130, and HC-130G aircraft subjected to restricted operation are the maneuver load factor exceedance curves in Figures 72 through 74 which depict the load factor spectra for the missions of the respective aircraft. In order that the effects of restricted operation may be evaluated, each figure also contains in dashed form the weighted composite curves corresponding to normal operation.

Tables 220 through 226 present the distributions of time in combined altitude and airspeed ranges and Tables 227 through 233 give the distributions of maneuver load factors by load factor increments and equivalent airspeed ranges for the Restricted Operation data.

Since the flights of aircraft subjected to restricted operations are not considered characteristic of normal operation, the data recorded from these flights were not incorporated with the other data.

SECTION IV

CONCLUSIONS

A. None of the four models instrumented during the C-130 flight loads program yielded any data which exceeded the design limit load factors, the minimum and maximum observed values being -0.27 and 2.68, respectively.

B. The amount of data acquired was sufficient to confirm the following gust spectra observations: (1) the effects of the different air base locations are appreciable enough to cause variations in the gust load spectra encountered by aircraft of the same model flying the same type of mission; and (2) in the lower load factor range (up to 1.6) of the C-130A and C-130B data, the gust spectrum proved to be more severe than the maneuver spectrum.

C. As expected, the Swift Strike III Exercise and the restricted operation flights yielded data whose load factor spectra were, respectively, more and less severe than the composite spectra for normal operational flights.

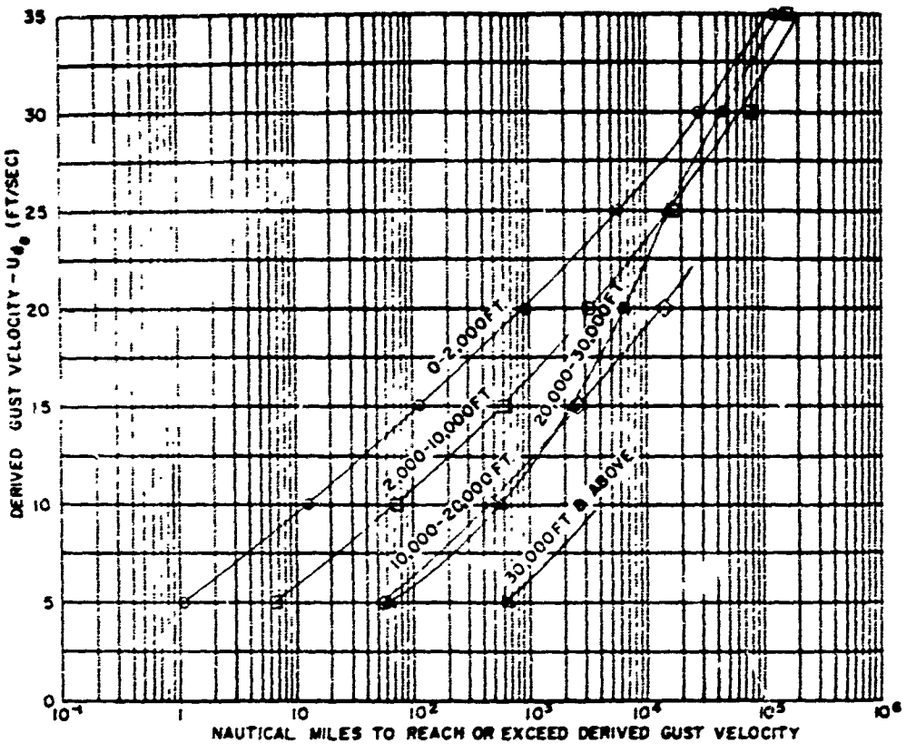


Figure 2. Gust Spectrum Based on Data from C-130 Aircraft in the Pacific: the C-130A at Naha Air Base, the HC-130G at Barbers Point Naval Air Station, and the JC-130 at Hickam Air Force Base

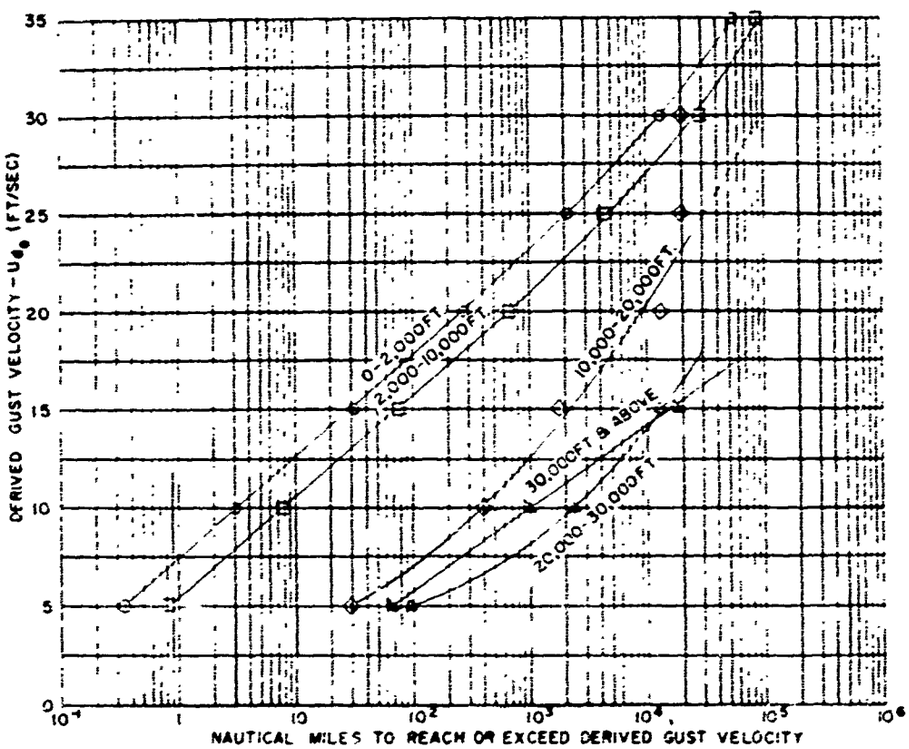


Figure 3. Gust Spectrum Based on Data from C-130 Aircraft in the Continental United States: the C-130A at Dyess Air Force Base and the C-130A and C-130B at Sewart Air Force Base

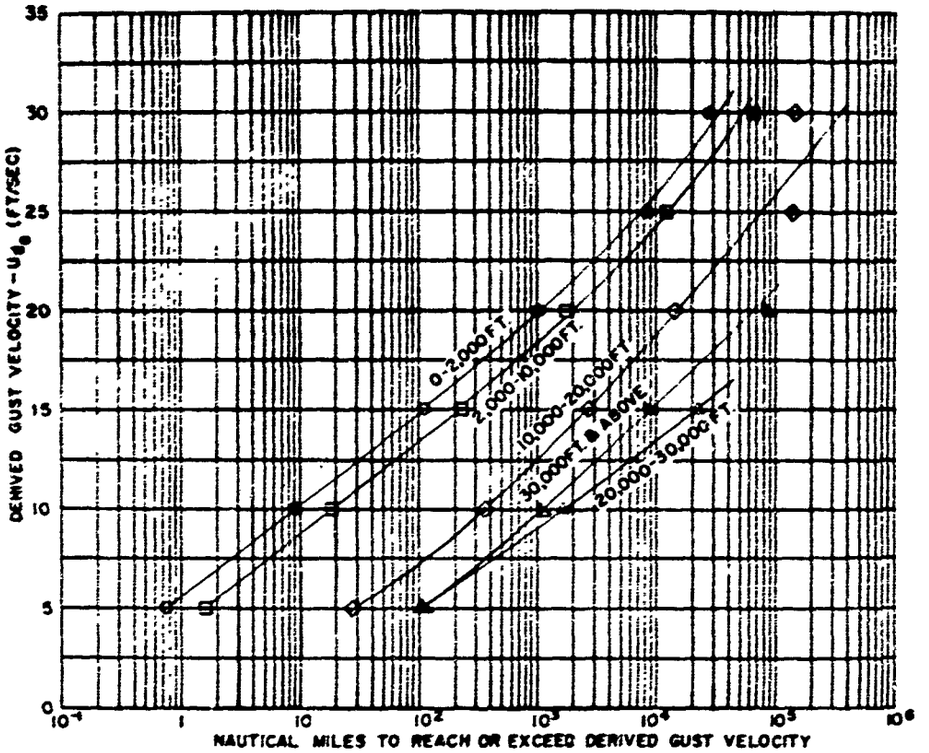


Figure 4. Gust Spectrum Based on Data from C-130 Aircraft in Europe: the C-130A and C-130B at Evreux Air Base

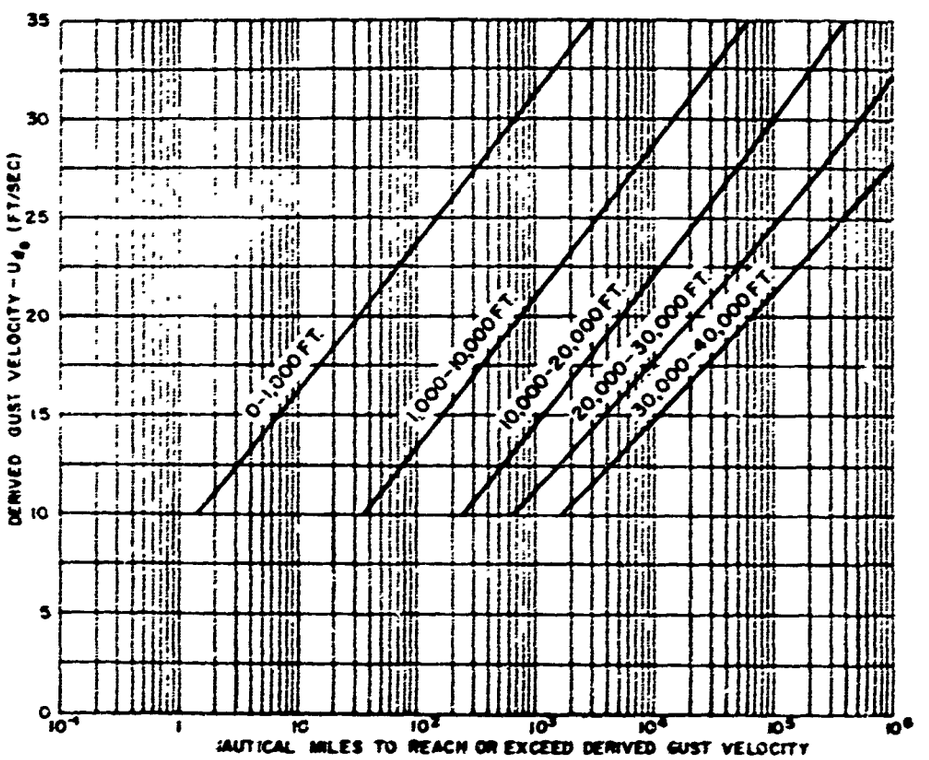


Figure 5. Standard Gust Spectrum (Reference 2)

Table 3

Distribution of Derived Gust Velocity by Altitude — Barbers Point Naval Air Station

PRESSURE ALTITUDE (FEET)	DERIVED GUST VELOCITY – U_{de} (FT/SEC)														DISTANCE FLOWN (NAUTICAL MILES)
	-40 TO -35	-35 TO -30	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	
0-2,000				4	54	564	7,017	8,401	1,027	118	10	5		1	19,122.7
2,000-5,000				1	5	73	1,048	1,334	134	9	4				7,414.7
5,000-10,000				2	13	58	509	576	58	12		1			8,979.4
10,000-15,000				2	2	18	112	134	14	3					5,429.2
15,000-20,000						3	46	64	4	1					8,733.8
20,000-25,000			1	2	1	12	102	126	29	7	1				11,913.7
25,000-30,000			1	4	4	7	16	19	8	1	3	2	1		5,509.4
30,000 & ABOVE								4							422.4
TOTALS	0	0	2	15	79	735	8,850	10,658	1,274	151	18	8	1	1	67,525.2

Table 4

Distribution of Derived Gust Velocity by Altitude — Hickam Air Force Base

PRESSURE ALTITUDE (FEET)	DERIVED GUST VELOCITY – U_{de} (FT/SEC)														DISTANCE FLOWN (NAUTICAL MILES)
	-40 TO -35	-35 TO -30	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	
0-2,000		1	2	20	138	1,200	13,71[illegible]	17,522	2,200	322	49	7	2		26,[illegible]62.5
2,000-5,000				9	32	294	3,27[illegible]	3,696	399	42	8				17,211.6
5,000-10,000			3	5	18	112	89[illegible]	1,116	139	32	5	2	1	1	91,981.0
10,000-15,000					7	31	279	328	35	5	1				38,893.1
15,000-20,000					1	6	70	83	5	2					27,349.7
20,000-25,000			1		3	36	495	632	51	8			1		39,674.0
25,000-30,000	1			2	4	40	215	159	42	9	3	1			24,076.4
30,000 & ABOVE							11								1,778.2
TOTALS	1	1	6	36	203	1,719	18,939	23,536	2,871	420	66	10	4	1	267,826.6

Table 5

Distribution of Derived Gust Velocity by Altitude — Naha Air Base

PRESSURE ALTITUDE (FEET)	DERIVED GUST VELOCITY – U_{de} (FT/SEC)														DISTANCE FLOWN (NAUTICAL MILES)
	-40 TO -35	-35 TO -30	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	
0-2,000				7	99	1,430	22,31[illegible]	25,038	1,768	148	12	2			68,023.0
2,000-5,000			1	2	10	242	3,52[illegible]	4,060	331	22	3				17,366.9
5,000-10,000				3	4	49	430	477	51	12					14,515.5
10,000-15,000				2	1	18	133	163	24	6	1				14,914.9
15,000-20,000				1	6	24	238	271	34	6	2				10,783.9
20,000-25,000	1	2	3	5	20	56	932	999	76	15	6	3			159,140.7
25,000-30,000						7	16[illegible]	150	8	1					35,998.6
30,000 & ABOVE								1							1,415.2
TOTALS	1	2	4	20	140	1,826	27,839	31,169	2,292	210	24	5			342,038.7

Table 6

Distribution of Derived Gust Velocity by Altitude — Dyess Air Force Base

PRESSURE ALTITUDE (FEET)	DERIVED GUST VELOCITY – U_{de} (FT/SEC)														DISTANCE FLOWN (NAUTICAL MILES)
	-40 TO -35	-35 TO -30	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	
0-2,000			2	12	122	1,186	9,082	9,747	1,188	101	10				9,799.7
2,000-5,000			4	12	142	1,314	12,575	13,249	1,423	148	15	4	1	1	17,754.5
5,000-10,000				6	24	201	1,750	1,644	152	11	1				6,298.8
10,000-15,000						5	175	89	4						4,350.6
15,000-20,000						5	187	158	3	1					10,136.4
20,000-25,000						5	169	192	10						18,002.1
25,000-30,000					1	2	100	77	1						32,247.0
30,000 & ABOVE						2	48	30							6,290.3
TOTALS	0	0	6	30	289	2,720	24,086	25,186	2,781	261	26	4	1	1	104,879.2

Table 7

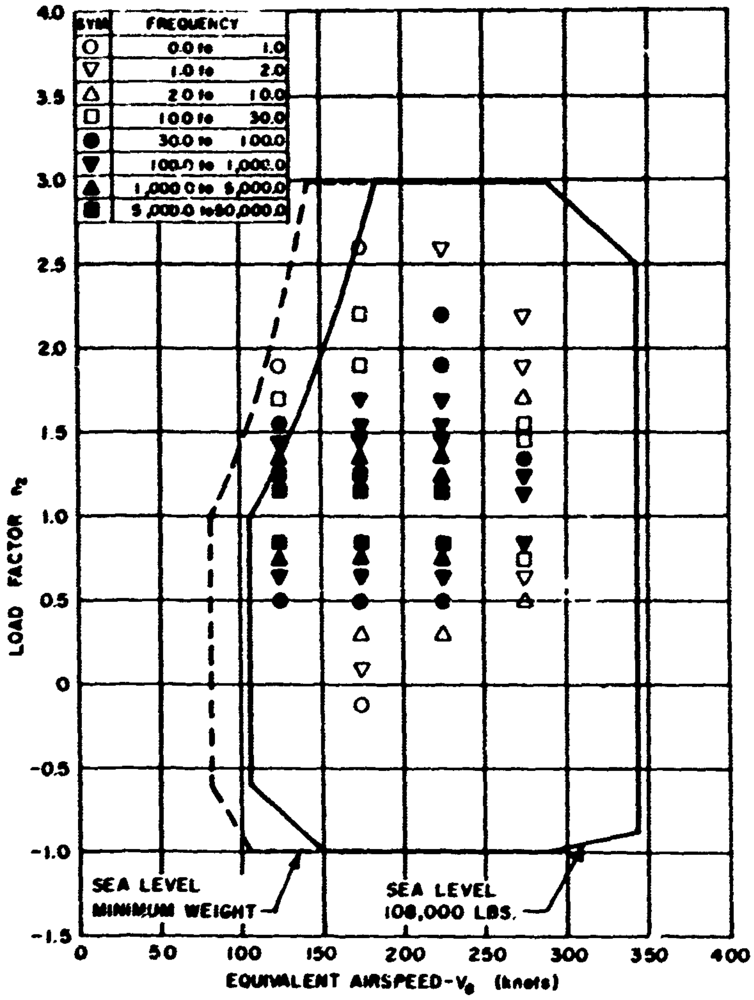
Distribution of Derived Gust Velocity by Altitude — Sewart Air Force Base

PRESSURE ALTITUDE (FEET)	DERIVED GUST VELOCITY – U_{de} (FT/SEC)														DISTANCE FLOWN (NAUTICAL MILES)
	-40 TO -35	-35 TO -30	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	
0-2,000		1	10	123	1,166	12,713	121,057	134,825	16,392	1,724	184	32	5	2	96,783.8
2,000-5,000		1	4	38	311	3,375	31,166	32,750	3,445	320	33	6			51,053.0
5,000-10,000				1	11	73	1,084	1,133	87	6	1				11,684.6
10,000-15,000		1		1	11	28	216	178	15	8			1		10,476.8
15,000-20,000						7	134	101	10						14,997.0
20,000-25,000					2	5	209	209	3	2					30,835.2
25,000-30,000					4	18	259	260	6	3					62,965.7
30,000 & ABOVE						10	94	83	5	1					11,483.4
TOTALS	0	3	14	163	1,503	16,229	154,219	169,539	19,963	2,064	218	38	6	2	290,279.4

Table 8

Distribution of Derived Gust Velocity by Altitude — Evreux Air Base

PRESSURE ALTITUDE (FEET)	DERIVED GUST VELOCITY – U_{de} (FT/SEC)														DISTANCE FLOWN (NAUTICAL MILES)
	-40 TO -35	-35 TO -30	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	
0-2,000		1	1	13	175	2,486	32,299	35,602	3,370	295	34	4	1		57,538.2
2,000-5,000		2	2	18	172	2,555	30,662	32,346	2,927	249	31	5			77,352.8
5,000-10,000				10	42	410	5,338	5,761	479	60	8	2			53,220.6
10,000-15,000				3	15	116	1,286	1,495	123	16	4		1		60,883.7
15,000-20,000				1	5	50	893	931	63	6	1				83,181.3
20,000-25,000					2	55	813	928	41	6					167,029.4
25,000-30,000					7	57	802	925	53	3					213,618.0
30,000 & ABOVE					4	25	285	387	38	5	1				80,373.4
TOTALS	0	3	3	45	422	5,754	72,378	78,375	7,094	640	79	11	2		793,197.4



Flight Time: 2774.2 hr. No. of Flights: 1137

MANEUVER LOAD FACTOR (n_z)	EQUIVALENT AIRSPEED -V_e (KNOTS) BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	TOTAL NO. n_z
2.9 & ABOVE							
2.4 TO 2.9		[illegible]	1.13				[illegible]
2.0 TO 2.4		21.91	30.23	1.3			[illegible]
1.8 TO 2.0	0.60	29.11	60.51	1.13			[illegible]
1.6 TO 1.8	23.17	160.64	[illegible]	4.49			[illegible]
1.5 TO 1.6	55.09	[illegible]	[illegible]	13.73			[illegible]
1.4 TO 1.5	275.33	329.11	[illegible]	[illegible]			[illegible]
1.3 TO 1.4	1,332.64	2,337.00	1,394.57	99.30			[illegible]
1.2 TO 1.3	[illegible]	9,111.36	[illegible]	[illegible]			[illegible]
1.1 TO 1.2	[illegible]	[illegible]	19,507.03	375.45			[illegible]
0.8 TO 0.9	14,957.37	17,924.65	[illegible]	[illegible]			[illegible]
0.7 TO 0.8	2,100.77	2,547.91	[illegible]	23.10			[illegible]
0.6 TO 0.7	195.52	334.51	[illegible]	[illegible]			[illegible]
0.4 TO 0.6	37.55	47.93	73.52	[illegible]			[illegible]
0.2 TO 0.4		5.30	[illegible]				[illegible]
0.0 TO 0.2		1.10					[illegible]
BELOW 0.0		[illegible]					[illegible]

Figure 6. C-130A — Diagram and Tabulation of Maneuver Load Factors versus Equivalent Airspeed — Weighted Composite for All Missions and Bases

Table 9

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Weighted Composite for All Missions

INCREMENTAL GUST LOAD FACTOR (Δn_z)	EQUIVALENT AIRSPEED-V_e (KNOTS)						TOTAL NO. Δn_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
1.8 & ABOVE							
1.4 TO 1.8							
1.0 TO 1.4		1.16	2.65				3.81
0.8 TO 1.0		6.51	11.28	0.37			18.16
0.6 TO 0.8	6.95	43.11	251.97	6.50			308.53
0.5 TO 0.6	28.85	131.50	994.19	22.56			1,177.10
0.4 TO 0.5	192.14	501.85	3,004.03	70.60			3,768.62
0.3 TO 0.4	1,010.04	2,622.18	11,272.74	215.90			15,120.86
0.2 TO 0.3	7,006.25	13,119.59	36,029.51	576.27			56,731.62
0.1 TO 0.2	38,871.06	56,499.58	108,312.15	1,542.63			205,225.42
-0.2 TO -0.1	35,725.63	52,266.70	104,923.31	1,498.03			194,413.67
-0.3 TO -0.2	6,496.49	11,748.65	35,603.65	545.48			54,454.27
-0.4 TO -0.3	1,081.36	2,414.96	10,865.58	175.89			14,537.79
-0.6 TO -0.4	139.48	549.31	4,548.39	77.33			5,414.51
-0.8 TO -0.6	5.25	42.83	583.31	7.46			638.85
-1.0 TO -0.8	0.37	2.34	66.57				69.28
BELOW -1.0			0.67				0.67

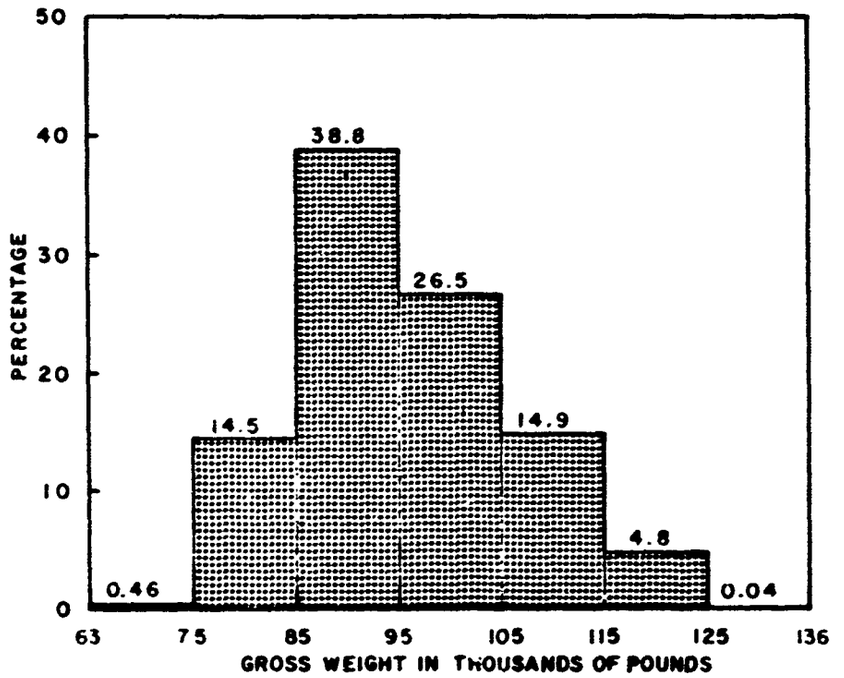


Figure 7. C-130A — Percentages of Total Flight Time Spent in Selected Gross Weight Ranges — Composite of All Missions

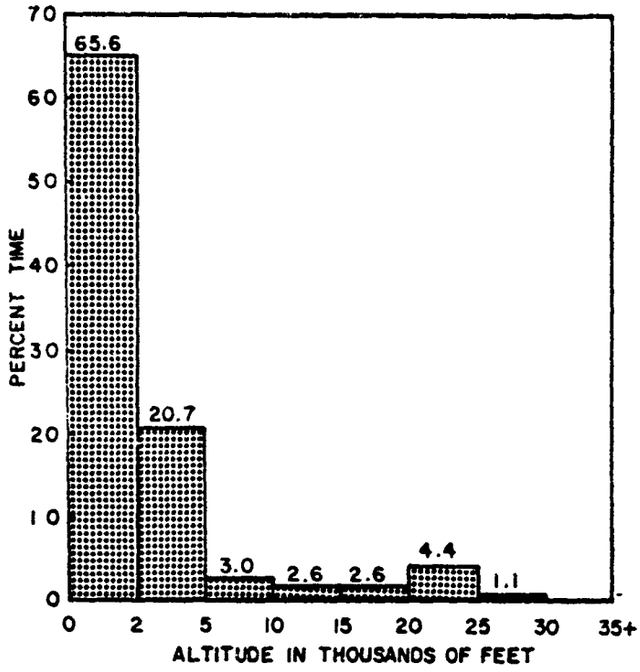


Figure 8

C-130A — Percentages of Total Flight Time Spent at Selected Altitudes — Mission I (Airdrop)

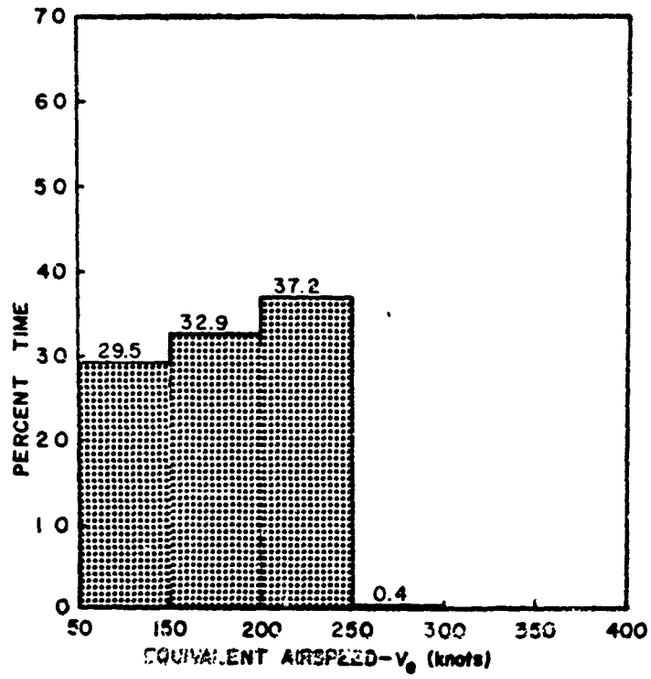


Figure 9

C-130A — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission I (Airdrop)

Table 10

C-130A — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission I (Airdrop)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED – V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	5,661.2	3,882.9	5,220.9	60.5			14,825.5
2,000- 5,000	933.7	1,478.1	2,257.3	14.1			4,683.2
5,000- 10,000	12.6	373.4	294.5	1.2			681.7
10,000- 15,000	6.9	357.5	217.5	3.2			585.0
15,000-20,000	15.6	516.3	48.5	2.0			582.4
20,000-25,000	28.4	733.8	243.4				1,005.6
25,000-30,000	17.6	107.7	126.2				251.5
30,000& ABOVE							
TOTAL TIME (MIN)	6,676.0	7,449.7	8,408.2	81.0			22,614.9

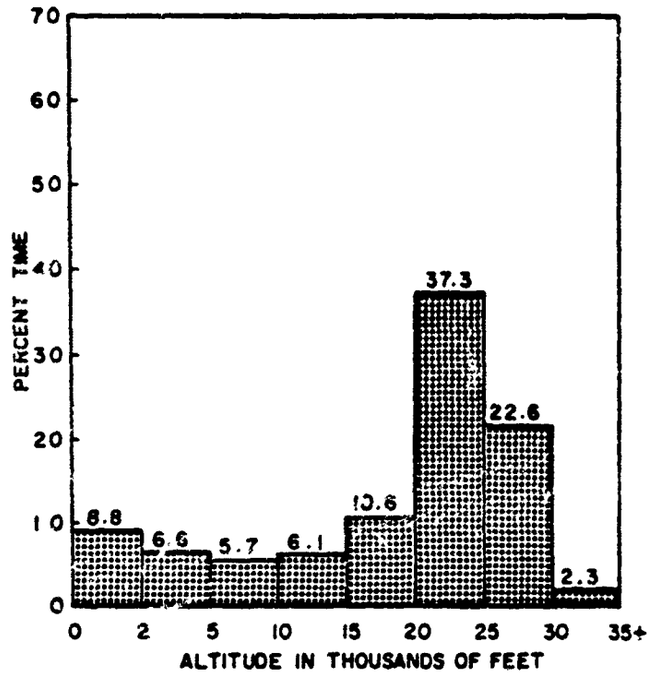


Figure 10

C-130A — Percentages of Total Flight Time Spent at Selected Altitudes — Mission II (Logistics and Cross Country)

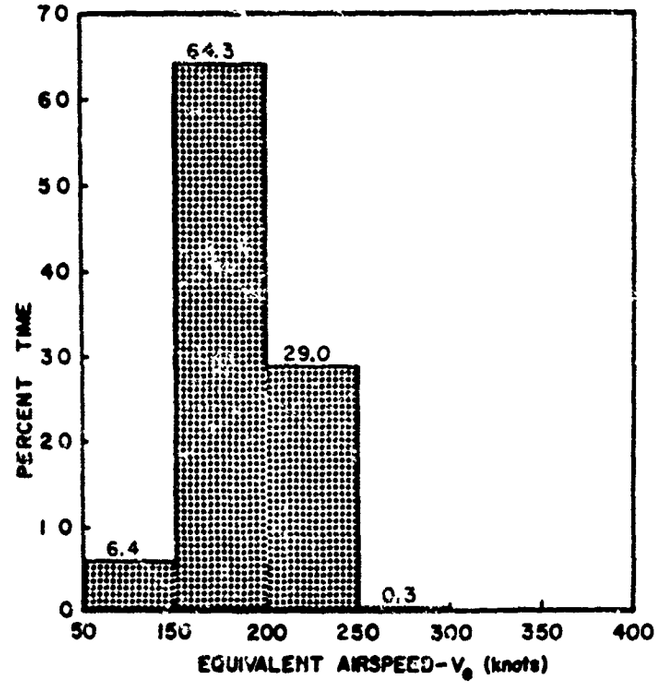


Figure 11

C-130A — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission II (Logistics and Cross Country)

Table 11

C-130A — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission II (Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED-V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	3,753.2	3,115.0	1,680.3	20.2			8,568.6
2,000- 5,000	1,164.7	3,270.5	1,910.4	38.9			6,384.5
5,000- 10,000	96.1	2,895.3	2,408.9	122.6			5,523.0
10,000- 15,000	68.7	3,119.6	2,670.9	62.4			5,921.6
15,000-20,000	220.8	4,918.2	5,117.9	22.3			10,279.2
20,000-25,000	560.2	24,189.8	11,505.7	5.5			36,261.3
25,000-30,000	291.4	18,978.5	2,701.0				21,971.0
30,000& ABOVE	109.4	1,976.6	184.8				2,270.7
TOTAL TIME (MIN.)	6,264.7	62,463.5	28,179.9	271.9			97,180.0

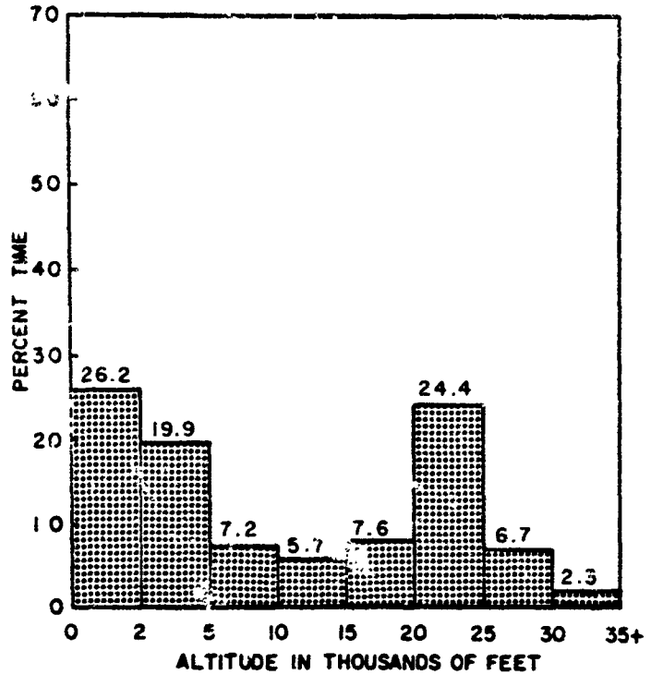


Figure 12

C-130A — Percentages of Total Flight Time Spent at Selected Altitudes — Mission III (Training)

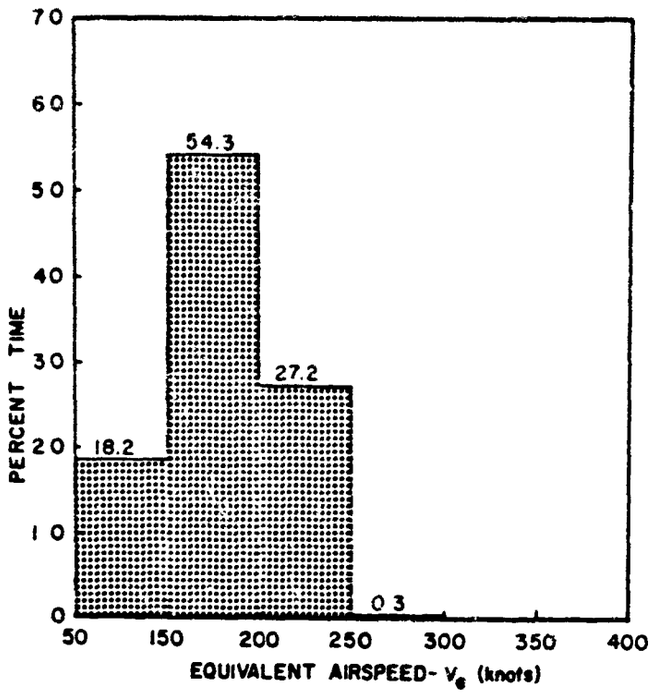


Figure 13

C-130A — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission III (Training)

Table 12

C-130A — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	4,995.5	3,992.8	3,220.6	20.1			12,229.1
2,000- 5,000	2,409.2	4,096.4	2,731.8	64.5			9,302.1
5,000- 10,000	252.4	1,778.2	1,288.8	21.2			3,340.7
10,000- 15,000	71.4	1,347.7	1,194.5	21.5			2,635.2
15,000-20,000	217.6	2,182.9	1,139.2	5.0			3,544.7
20,000-25,000	139.9	8,374.9	2,851.2	0.4			11,366.4
25,000-30,000	61.7	2,875.4	208.9				3,146.1
30,000& ABOVE	346.0	682.9	64.0				1,092.9
TOTAL TIME (MIN.)	8,493.8	25,331.4	12,699.2	132.8			46,657.1

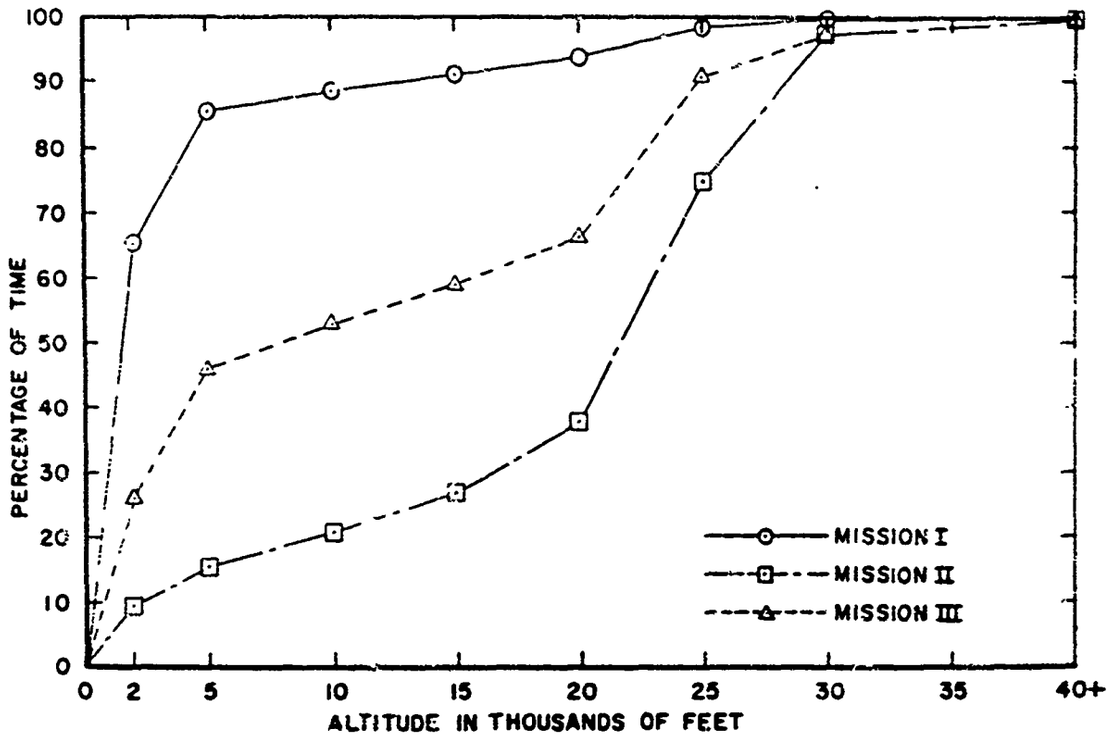


Figure 14. C-130A — Percentages of Total Flight Time Spent Below Given Altitudes for Each Mission Type

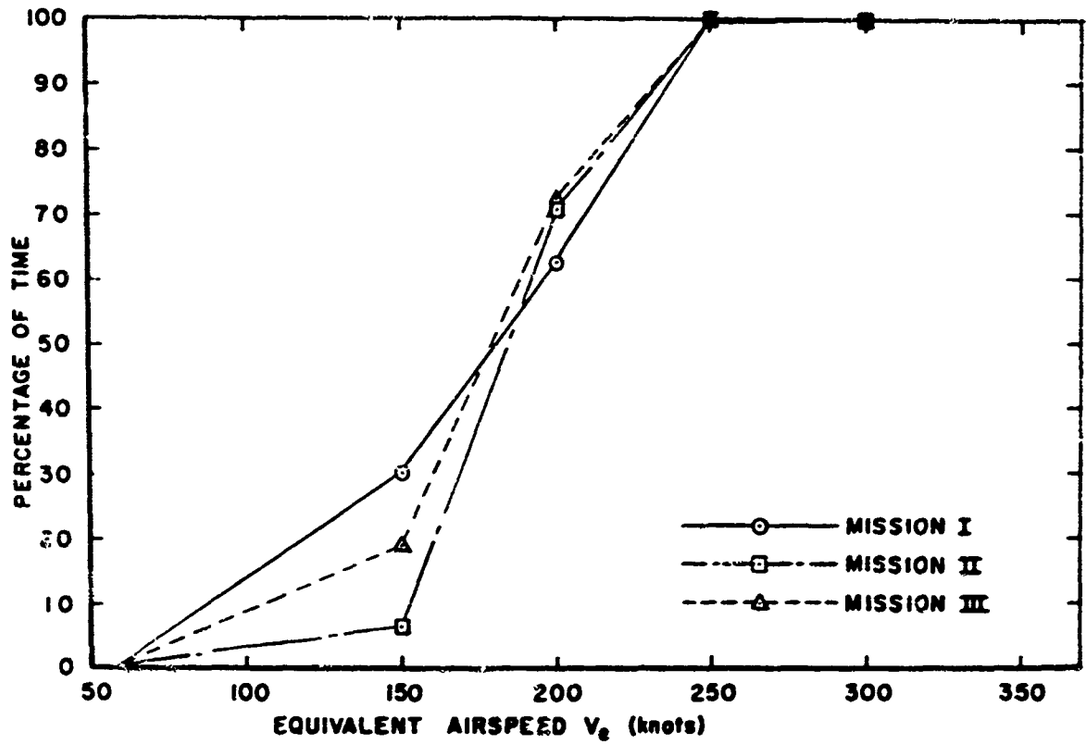


Figure 15. C-130A — Percentages of Total Flight Time Spent Below Given Airspeeds for Each Mission Type

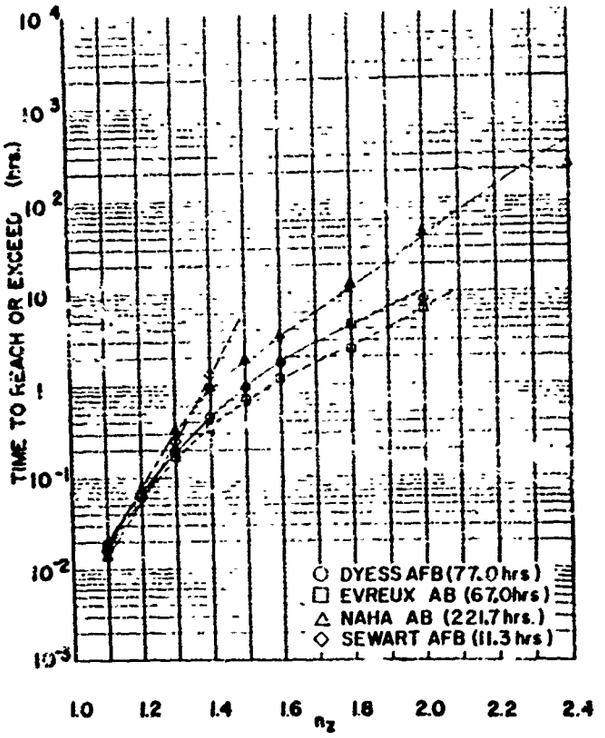


Figure 16. C-130A — Maneuver Load Factor Exceedance Curves for Each Air Base — Mission I (Airdrop)

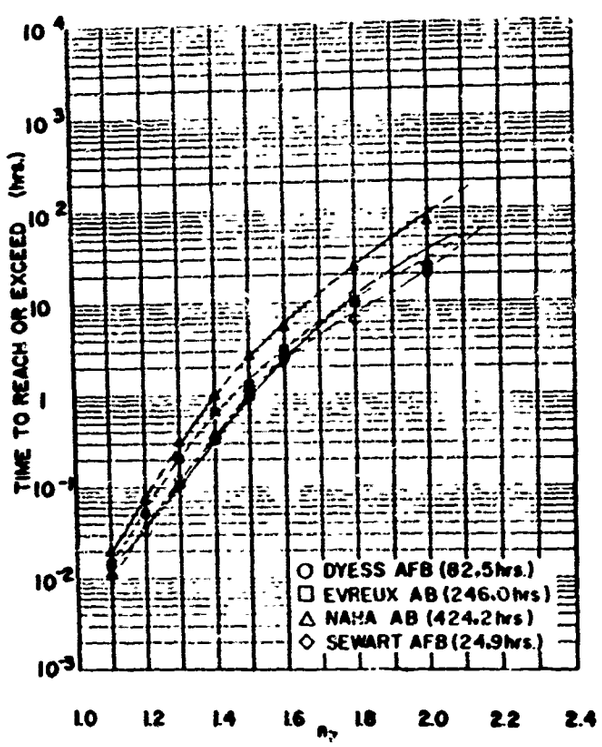


Figure 18. C-130A — Maneuver Load Factor Exceedance Curves for Each Air Base — Mission III (Training)

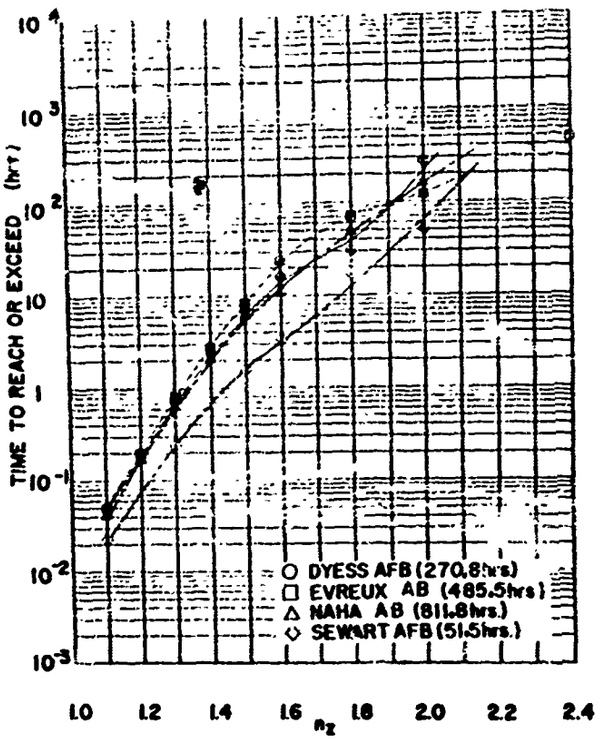


Figure 17

C-130A — Maneuver Load Factor Exceedance Curves for Each Air Base — Mission II (Logistics and Cross Country)

Figure 19. C-130A — Incremental Gust Load Factor Exceedance Curves for Each Air Base — Mission I (Airdrop)

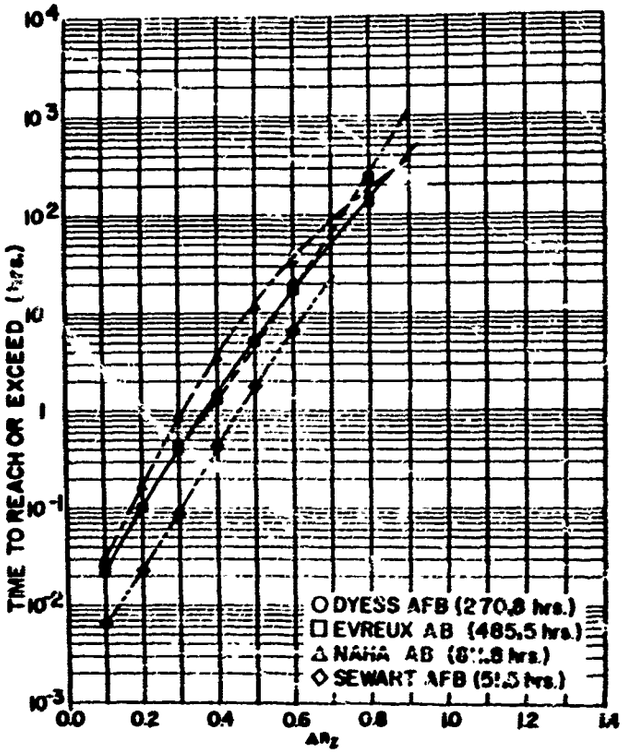


Figure 20

C-130A — Incremental Gust Load Factor Exceedance Curves for Each Air Base — Mission II (Logistics and Cross Country)

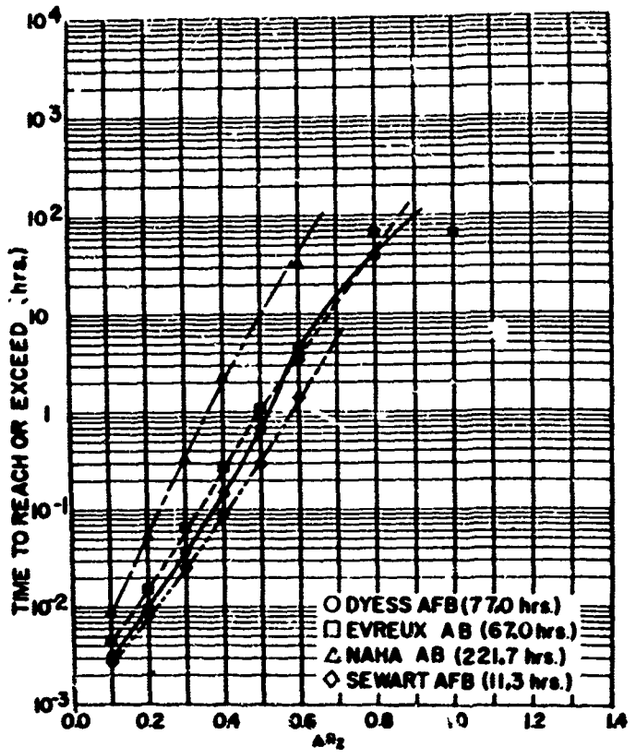
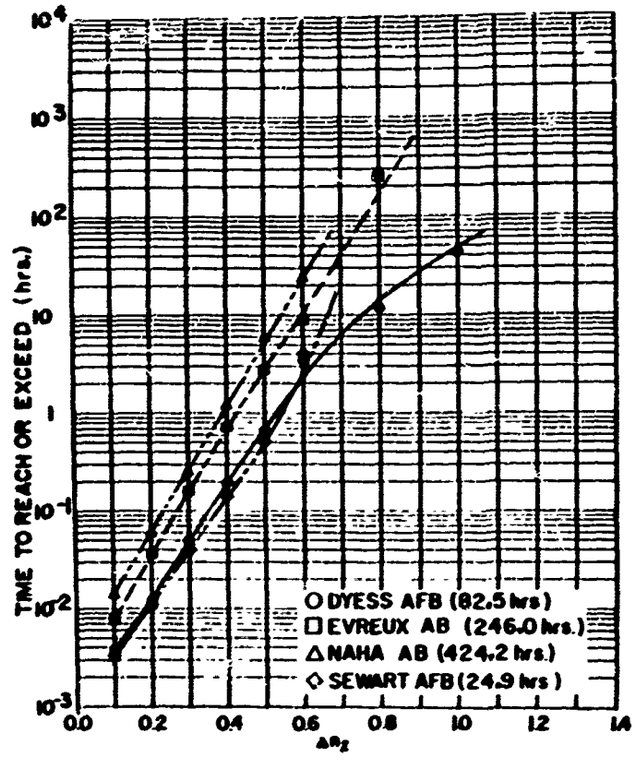


Figure 21. C-130A — Incremental Gust Load Factor Exceedance Curves for Each Air Base — Mission III (Training)



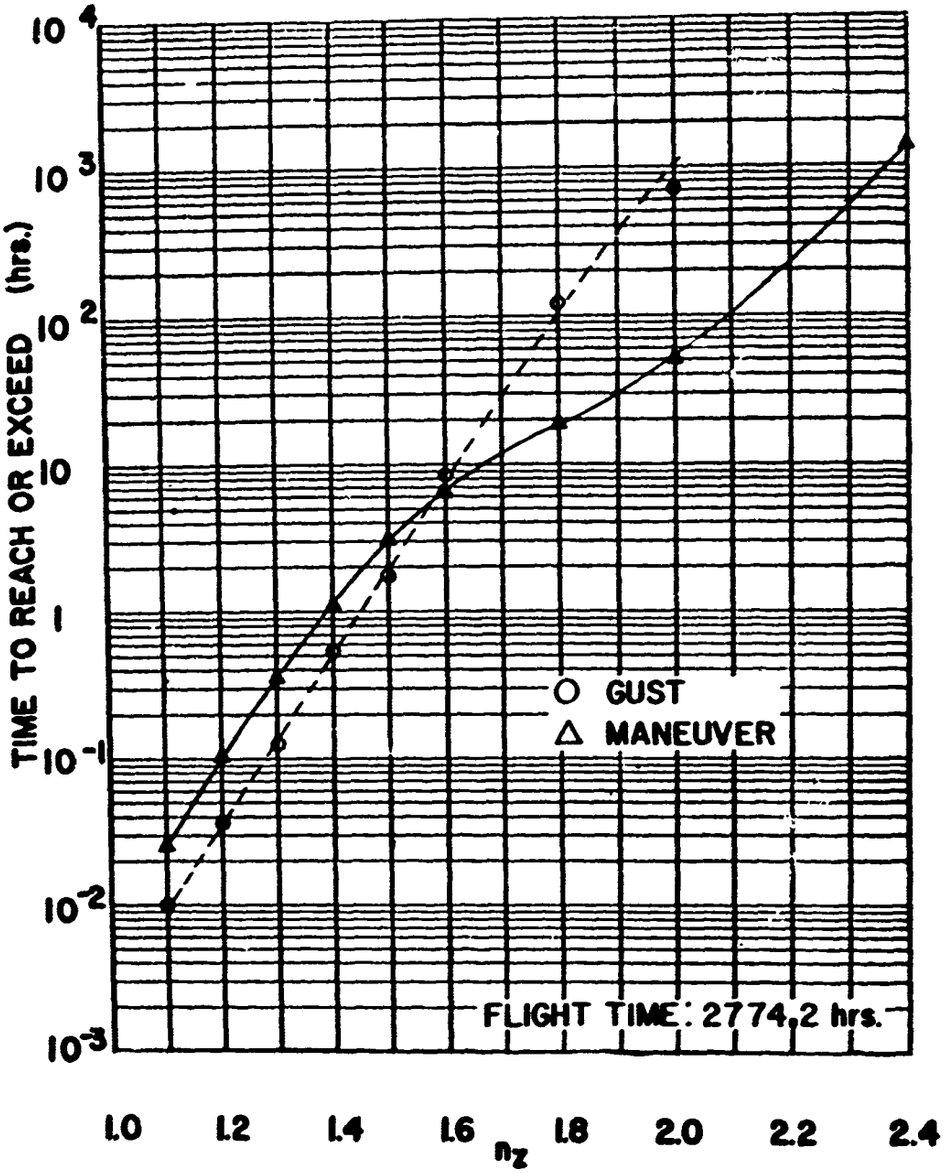


Figure 22. C-130A — Maneuver and Gust Load Factor Exceedance Curves — Weighted Composites of All Missions and Bases

Table 13

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Dyess Air Force Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		5	4				9
1.8 TO 2.0		6	2				8
1.6 TO 1.8	7	15	5				27
1.5 TO 1.6	7	20	10				37
1.4 TO 1.5	27	30	33				90
1.3 TO 1.4	68	85	83				236
1.2 TO 1.3	290	278	202				770
1.1 TO 1.2	1238	722	925	1			2886
0.9 TO 0.9	775	383	409	2			1569
0.7 TO 0.8	95	73	76				244
0.6 TO 0.7	4	16	17				37
0.4 TO 0.6	2	2	3				7
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1755.2	1088.9	2271.5	3.9			4619.6

No. of Flights: 49

Table 14

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Evreux Air Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		1	8	1			10
1.8 TO 2.0		2	15				17
1.6 TO 1.8	2	9	16				27
1.5 TO 1.6	12	11	18	2			43
1.4 TO 1.5	14	50	38	1			103
1.3 TO 1.4	48	94	57	4			203
1.2 TO 1.3	196	309	202	2			709
1.1 TO 1.2	956	956	755	2			2669
0.8 TO 0.9	510	602	430	1			1543
0.7 TO 0.8	50	115	61	1			227
0.6 TO 0.7	5	15	12				32
0.4 TO 0.6	2	2	4	1			9
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	997.1	1336.7	1662.1	17.1			6015.0

No. of Flights: 28

Table 15

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Naha Air Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8		1					1
2.0 TO	2.4		1	3				4
1.8 TO	2.0		11	3				14
1.6 TO	1.8	2	32	13				47
1.5 TO	1.6	4	31	16				51
1.4 TO	1.5	21	77	24	1			123
1.3 TO	1.4	125	208	120				453
1.2 TO	1.3	743	864	676	2			2285
1.1 TO	1.2	5034	4211	3183	20			12448
0.8 TO	0.9	2652	2122	1542	13			6329
0.7 TO	0.8	255	221	304	1			781
0.6 TO	0.7	26	30	32				88
0.4 TO	0.6	6	2	4				12
0.2 TO	0.4			1				1
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		4255.1	4905.1	4084.0	58.0			13302.2

No. of Flights: 81

Table 16

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Sewart Air Force Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5	2	6	1				9
1.3 TO	1.4	14	9	15				38
1.2 TO	1.3	47	41	51				139
1.1 TO	1.2	180	111	198				489
0.8 TO	0.9	90	42	110				242
0.7 TO	0.8	16	5	24				45
0.6 TO	0.7		1	8				9
0.4 TO	0.6		1	1				2
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		168.6	119.0	390.6				678.2

No. of Flights: 6

Table 17

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Dyess Air Force Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			8				8
1.6 TO 1.8	1	2	4				7
1.5 TO 1.6	3	14	8	1			26
1.4 TO 1.5	11	38	18				67
1.3 TO 1.4	88	132	43	5			268
1.2 TO 1.3	303	531	190	15			1039
1.1 TO 1.2	879	2426	1280	60			4645
0.8 TO 0.9	570	1656	736	16			2978
0.7 TO 0.8	98	176	57	4			335
0.6 TO 0.7	18	33	6				57
0.4 TO 0.6	4	4	1				9
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	960.0	10329.0	4875.9	82.7			16247.6

No. of Flights: 86

Table 18

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Evreux Air Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8			1				1
2.0 TO 2.4		2	1				3
1.8 TO 2.0			2	1			3
1.6 TO 1.8	1	5	6	1			13
1.5 TO 1.6	3	11	20	3			37
1.4 TO 1.5	14	27	44	7			122
1.3 TO 1.4	73	218	156	9			456
1.2 TO 1.3	418	883	545	21			1867
1.1 TO 1.2	2239	3108	2358	57			7762
0.8 TO 0.9	1346	1928	1367	25			4666
0.7 TO 0.8	198	309	165	3			675
0.6 TO 0.7	14	41	30				85
0.4 TO 0.6	3	13	10				26
0.2 TO 0.4		1	3				4
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1569.2	16504.6	10946.5	112.3			29132.6

No. of Flights: 238

Table 19

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Naha Air Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4		2	3				5
1.8 TO	2.0		3	9				12
1.6 TO	1.8	3	30	17				50
1.5 TO	1.6	4	43	21				68
1.4 TO	1.5	49	129	51	2			231
1.3 TO	1.4	228	425	170	8			831
1.2 TO	1.3	1167	1830	539	5			3541
1.1 TO	1.2	4861	7538	2314	20			14733
0.8 TO	0.9	2924	4217	1378	11			8530
0.7 TO	0.8	355	510	162	1			1028
0.6 TO	0.7	24	68	21				113
0.4 TO	0.6	6	12	5				23
0.2 TO	0.4		3					3
0.0 TO	0.2		1					1
BELOW	0.0							
FLT TIME (MIN)		3406.1	34172.0	11108.7	21.0			48707.8

No. of Flights: 311

Table 20

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Sewart Air Force Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4			1				1
1.8 TO	2.0		1	1				2
1.6 TO	1.8	1	3	7	1			12
1.5 TO	1.6		5	10	2			17
1.4 TO	1.5	3	8	18	3			32
1.3 TO	1.4	28	46	51	12			137
1.2 TO	1.3	151	192	170	12			525
1.1 TO	1.2	541	466	447	26			1480
0.8 TO	0.9	395	352	338	16			1101
0.7 TO	0.8	69	89	106	3			267
0.6 TO	0.7	7	14	27				48
0.4 TO	0.6		1	7	1			9
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		329.4	1457.9	1248.8	55.9			3091.9

No. of Flights: 23

Table 21

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission III (Training) — Dyess Air Force Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		4					4
1.8 TO 2.0		2	1				3
1.6 TO 1.8	2	19	4	2			27
1.5 TO 1.6	8	35	6	2			51
1.4 TO 1.5	21	115	31	4			171
1.3 TO 1.4	114	283	99	15			511
1.2 TO 1.3	387	988	269	34			1678
1.1 TO 1.2	925	1994	695	49			3663
0.8 TO 0.9	606	1166	507	31			2310
0.7 TO 0.8	159	231	51	8			449
0.6 TO 0.7	34	47	21	1			103
0.4 TO 0.6	5	12	2				19
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	955.0	2264.7	1698.6	30.1			4948.4

No. of Flights: 30

Table 22

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission III (Training) — Evreux Air Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		2	8	1			11
1.8 TO 2.0		7	7				14
1.6 TO 1.8	3	26	28				57
1.5 TO 1.6	7	43	43	3			96
1.4 TO 1.5	35	106	61	3			205
1.3 TO 1.4	204	509	144	3			860
1.2 TO 1.3	1216	1906	442	9			3573
1.1 TO 1.2	5182	5013	1367	19			11581
0.8 TO 0.9	3322	2907	654	12			6895
0.7 TO 0.8	397	498	97	2			994
0.6 TO 0.7	30	58	17				105
0.4 TO 0.6		8	4				12
0.2 TO 0.4			3				3
0.0 TO 0.2							
BELOW 0.0		1					1
FLT TIME (MIN)	4299.1	7074.5	3345.0	41.0			14759.5

No. of Flights: 113

Table 23

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission III (Training) — Naha Air Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		6					6
1.8 TO 2.0	1	4	7				12
1.6 TO 1.8	1	38	21				60
1.5 TO 1.6	3	46	34	2			85
1.4 TO 1.5	51	131	78	3			263
1.3 TO 1.4	209	460	299				968
1.2 TO 1.3	1025	1888	1206	4			4123
1.1 TO 1.2	4588	7758	4058	9			16413
0.8 TO 0.9	2362	4330	2117	12			8821
0.7 TO 0.8	271	492	398	1			1162
0.6 TO 0.7	33	72	64				169
0.4 TO 0.6	8	9	7				24
0.2 TO 0.4		2	1				3
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2903.4	15556.0	6985.2	10.0			25454.6

No. of Flights: 161

Table 24

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission III (Training) — Sewart Air Force Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			3				3
1.6 TO 1.8		4	2				6
1.5 TO 1.6	1	8	4				13
1.4 TO 1.5	10	29	14				53
1.3 TO 1.4	40	58	31	3			132
1.2 TO 1.3	199	163	118	12			492
1.1 TO 1.2	548	416	603	59			1626
0.8 TO 0.9	412	373	361	26			1172
0.7 TO 0.8	119	85	54				258
0.6 TO 0.7	15	15	11				41
0.4 TO 0.6	2	4	5				11
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	336.4	436.1	670.4	51.7			1494.6

No. of Flights: 11

Table 25

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Dyess Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			2				2
0.6 TO 0.8		3	13				16
0.5 TO 0.6		6	86	2			94
0.4 TO 0.5	8	40	345				393
0.3 TO 0.4	61	191	1332	8			1592
0.2 TO 0.3	371	901	4361	9			5642
0.1 TO 0.2	2198	3122	11835	19			17224
-0.2 TO -0.1	1797	2908	12119	21			16845
-0.3 TO -0.2	287	775	4416	7			5485
-0.4 TO -0.3	36	163	1409	5			1613
-0.6 TO -0.4	5	50	490	2			547
-0.8 TO -0.6			40				40
-1.0 TO -0.8			2				2
BELOW -1.0							
FLT TIME (MIN)	1255.2	1088.9	2271.5	3.9			4619.6

Table 26

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Evreux Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4			1				1
0.8 TO 1.0							
0.6 TO 0.8	1	2	15				18
0.5 TO 0.6		4	40	1			45
0.4 TO 0.5	4	28	153	4			189
0.3 TO 0.4	33	109	684	16			842
0.2 TO 0.3	308	534	2253	47			3142
0.1 TO 0.2	2519	2625	5839	91			11074
-0.2 TO -0.1	2527	2747	5897	86			11257
-0.3 TO -0.2	284	508	2304	60			3156
-0.4 TO -0.3	34	86	671	22			813
-0.6 TO -0.4	5	19	228	6			258
-0.8 TO -0.6			12				12
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	947.1	1336.7	1662.1	19.1			4015.0

Table 27

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Naha Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8	1	1	4	1			7
0.5 TO 0.6	2	5	12				19
0.4 TO 0.5	5	27	47	1			80
0.3 TO 0.4	84	190	296	3			573
0.2 TO 0.3	684	1050	1922	7			3663
0.1 TO 0.2	4770	5931	10551	63			21315
-0.2 TO -0.1	4398	5696	10308	76			20478
-0.3 TO -0.2	597	891	1696	11			3195
-0.4 TO -0.3	76	152	319	3			550
-0.6 TO -0.4	9	32	75				116
-0.8 TO -0.6			3				3
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	4255.1	4905.1	4084.0	58.0			13302.2

Table 28

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Sewart Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1	7				8
0.5 TO 0.6	1	1	29				31
0.4 TO 0.5	4	3	74				81
0.3 TO 0.4	18	27	257				302
0.2 TO 0.3	116	149	698				963
0.1 TO 0.2	429	388	1749				2566
-0.2 TO -0.1	344	260	1617				2221
-0.3 TO -0.2	122	144	729				995
-0.4 TO -0.3	29	37	257				323
-0.6 TO -0.4	4	10	138				152
-0.8 TO -0.6		1	26				27
-1.0 TO -0.8			3				3
BELOW -1.0							
FLT TIME (MIN)	168.6	119.0	390.6				678.2

Table 29

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Dyess Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0		1	1				2
0.6 TO 0.8		4	8				12
0.5 TO 0.6	2	8	31	1			42
0.4 TO 0.5	10	44	71	1			126
0.3 TO 0.4	31	167	229	9			436
0.2 TO 0.3	361	787	891	29			2068
0.1 TO 0.2	1735	4239	3190	120			9284
-0.2 TO -0.1	1624	4167	3162	109			9062
-0.3 TO -0.2	276	788	791	11			1866
-0.4 TO -0.3	39	148	201	3			391
-0.6 TO -0.4	5	34	85	1			125
-0.8 TO -0.6		5	14				19
-1.0 TO -0.8			3				3
BELOW -1.0			1				1
FLT TIME (MIN)	960.0	10329.0	4875.9	82.7			16247.6

Table 30

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Evreux Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0		1	1				2
0.6 TO 0.8			25				25
0.5 TO 0.6		14	53	4			71
0.4 TO 0.5	6	36	192	24			258
0.3 TO 0.4	51	189	550	50			840
0.2 TO 0.3	354	1049	1899	70			3372
0.1 TO 0.2	2531	5831	6868	157			15387
-0.2 TO -0.1	2358	5707	6664	167			14396
-0.3 TO -0.2	291	805	1680	92			2868
-0.4 TO -0.3	35	157	489	38			719
-0.6 TO -0.4	3	35	186	18			242
-0.8 TO -0.6		1	17	1			19
-1.0 TO -0.8		1	3				4
BELOW -1.0							
FLT TIME (MIN)	1569.2	16504.6	10946.5	112.3			29132.6

Table 31

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Naha Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0		1	4				5
0.6 TO 0.8	1	5	13				19
0.5 TO 0.6	5	16	25	1			47
0.4 TO 0.5	23	59	81				163
0.3 TO 0.4	94	267	358	4			723
0.2 TO 0.3	714	1490	1639	6			3849
0.1 TO 0.2	4785	9758	8121	23			22687
-0.2 TO -0.1	4359	9216	7918	16			21509
-0.3 TO -0.2	627	1237	1732	3			3599
-0.4 TO -0.3	85	191	325	2			603
-0.6 TO -0.4	8	59	114				181
-0.8 TO -0.6	4	9	9				22
-1.0 TO -0.8		1	4				5
BELOW -1.0							
FLT TIME (MIN)	3406.1	34172.0	11108.7	21.0			48707.8

Table 32

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Sewart Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1	6	1			8
0.5 TO 0.6		4	15	2			21
0.4 TO 0.5	3	10	71	7			91
0.3 TO 0.4	27	84	317	18			446
0.2 TO 0.3	166	385	1109	76			1736
0.1 TO 0.2	914	1368	3145	185			5612
-0.2 TO -0.1	905	1481	3284	203			5873
-0.3 TO -0.2	153	345	1091	53			1642
-0.4 TO -0.3	19	67	285	17			388
-0.6 TO -0.4	2	6	96	7			111
-0.8 TO -0.6		1	2	1			4
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	329.4	1457.9	1248.8	55.9			3091.9

Table 33

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission III (Training) — Dyess Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4		1	1				2
0.8 TO 1.0		3	2				5
0.6 TO 0.8	2	5	9	1			17
0.5 TO 0.6	1	31	61	4			97
0.4 TO 0.5	28	96	192	10			326
0.3 TO 0.4	113	410	827	13			1363
0.2 TO 0.3	688	1831	2709	38			5266
0.1 TO 0.2	3240	5365	7507	69			16181
-0.2 TO -0.1	3000	5122	7451	51			15624
-0.3 TO -0.2	696	1775	2645	26			5142
-0.4 TO -0.3	97	459	774	14			1344
-0.6 TO -0.4	14	139	256	8			417
-0.8 TO -0.6		8	14	2			24
-1.0 TO -0.8			2				2
BELOW -1.0							
FLT TIME (MIN)	955.0	2264.7	1698.6	30.1			4948.4

Table 34

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission III (Training) — Evreux Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0				1			1
0.6 TO 0.8	2		15	10			27
0.5 TO 0.6	3	7	44	7			61
0.4 TO 0.5	13	46	183	17			259
0.3 TO 0.4	161	308	629	50			1148
0.2 TO 0.3	1119	1604	2577	102			5402
0.1 TO 0.2	7770	8352	9107	144			25373
-0.2 TO -0.1	8454	8688	8804	158			26104
-0.3 TO -0.2	1000	1342	2207	89			4638
-0.4 TO -0.3	133	184	538	38			893
-0.6 TO -0.4	8	38	148	14			208
-0.8 TO -0.6			7	8			15
-1.0 TO -0.8	1		2				3
BELOW -1.0							
FLT TIME (MIN)	4299.1	7074.5	3345.0	41.0			14759.5

Table 35

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission III (Training) — Naha Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8	1	6	12				19
0.5 TO 0.6	2	10	43	1			56
0.4 TO 0.5	26	77	197	2			302
0.3 TO 0.4	125	380	829	5			1339
0.2 TO 0.3	745	1619	3319	11			5694
0.1 TO 0.2	4133	7942	12337	13			24425
-0.2 TO -0.1	3928	7487	11097	19			22531
-0.3 TO -0.2	587	1390	2732	9			4718
-0.4 TO -0.3	65	222	709	1			997
-0.6 TO -0.4	10	59	196	4			269
-0.8 TO -0.6	1	1	7				9
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2903.4	15556.0	6985.2	10.0			25454.6

Table 36

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission III (Training) — Sewart Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8			6				6
0.5 TO 0.6		4	40	1			45
0.4 TO 0.5	4	8	99	4			115
0.3 TO 0.4	20	45	382	25			472
0.2 TO 0.3	168	204	1050	97			1519
0.1 TO 0.2	1062	853	2870	323			5108
-0.2 TO -0.1	1036	809	2829	301			4975
-0.3 TO -0.2	149	172	1009	89			1419
-0.4 TO -0.3	27	25	307	17			376
-0.6 TO -0.4	4	9	111	9			133
-0.8 TO -0.6			4				4
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	336.4	436.1	670.4	51.7			1494.6

Table 37

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: Below 75,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8	1						1
1.5 TO 1.6		1					1
1.4 TO 1.5	1	1					2
1.3 TO 1.4	10	4					14
1.2 TO 1.3	17	10					27
1.1 TO 1.2	76	26					102
0.8 TO 0.9	30	7					37
0.7 TO 0.8	9	1					10
0.6 TO 0.7							
0.4 TO 0.6	2						2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	43.3	23.0	9.2				66.5

Altitude: 2000 to 5000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4	2		1				3
1.2 TO 1.3	2	11					13
1.1 TO 1.2	1	20	8				29
0.8 TO 0.9	7	6	1				14
0.7 TO 0.8	1		1				2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1.1	8.8	4.9				14.8

Altitude: 5000 to 10,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1					1
1.1 TO 1.2		5	2				7
0.8 TO 0.9		4	1				5
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		5.3	2.9				8.2

Altitude: 10,000 to 15,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			NO ENTRIES				
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		1.7					1.7

Altitude: 15,000 to 20,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			1				1
0.8 TO 0.9		2	1				3
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		1.1	0.8				1.9

Altitude: 20,000 to 25,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1					1
1.1 TO 1.2		9					9
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		17.5					17.5

Table 38

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 75,000 to 85,000 lb.

Altitude 0 to 2000 feet

LOAD FACTOR nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6			1				1
2.2 TO 2.4		3					3
2.0 TO 2.2	3	11	7				21
1.8 TO 2.0	5	11	5				21
1.6 TO 1.8	18	44	11				73
1.4 TO 1.6	76	72	31				179
1.2 TO 1.4	372	263	93				728
1.0 TO 1.2	1816	813	413				3042
0.8 TO 0.9	863	370	141				1374
0.7 TO 0.8	91	61	9				161
0.6 TO 0.7	12	15	1				28
0.4 TO 0.6	5	1					6
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1246.8	817.2	451.8				2515.8

Altitude 2000 to 5000 feet

LOAD FACTOR nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6			1				1
2.2 TO 2.4				1			1
2.0 TO 2.2			4	3			7
1.8 TO 2.0	2	5	4				11
1.6 TO 1.8	3	9	2				14
1.4 TO 1.6	19	28	11				58
1.2 TO 1.4	67	98	44	2			211
1.0 TO 1.2	251	293	902				848
0.8 TO 0.9	145	160	128				433
0.7 TO 0.8	14	27	13				54
0.6 TO 0.7	1	3	7				11
0.4 TO 0.6	1	1					2
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	234.2	346.3	413.8	1.9			998.3

Altitude 5000 to 10,000 feet

LOAD FACTOR nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8			2				2
1.4 TO 1.6			1				1
1.2 TO 1.4		9	12				21
1.0 TO 1.2		38	63				101
0.8 TO 0.9	3	21	39				63
0.7 TO 0.8			4				4
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.1	115.0	59.8	0.4			177.3

Altitude 10,000 to 15,000 feet

LOAD FACTOR nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.4 TO 1.6		1	2				3
1.2 TO 1.4		5	11				16
1.0 TO 1.2		52	69				121
0.8 TO 0.9		44	53				99
0.7 TO 0.8			7				7
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.5	100.9	84.6				186.0

Altitude 15,000 to 20,000 feet

LOAD FACTOR nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8			1	1			2
1.4 TO 1.6			2	1			3
1.2 TO 1.4	3	8	5				16
1.0 TO 1.2	7	31	21				59
0.8 TO 0.9	6	24	28				58
0.7 TO 0.8		3	1				4
0.6 TO 0.7		2					2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	9.7	126.4	15.0				151.0

Altitude 20,000 to 25,000 feet

LOAD FACTOR nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8			3				3
1.4 TO 1.6	1	2					3
1.2 TO 1.4	4	43	1				48
1.0 TO 1.2	9	187	18				214
0.8 TO 0.9	9	140	6				155
0.7 TO 0.8	3	10					13
0.6 TO 0.7		4					4
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	15.8	209.6	16.4				299.8

Altitude 25,000 to 30,000 feet

LOAD FACTOR nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.4 TO 1.6			1				1
1.2 TO 1.4			4	1			5
1.0 TO 1.2			2	2			4
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	12.6	85.8	37.2				135.6

Table 39

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8		1					1
2.0 TO 2.4			2				2
1.8 TO 2.0		5	4				9
1.6 TO 1.8	4	16	8				28
1.5 TO 1.6	3	24	11				38
1.4 TO 1.5	16	49	14	1			80
1.3 TO 1.4	76	129	71				276
1.2 TO 1.3	471	415	275				1161
1.1 TO 1.2	3007	1448	984	1			5440
0.8 TO 0.9	1622	724	402				2748
0.7 TO 0.8	177	102	115				394
0.6 TO 0.7	19	7	16				42
0.4 TO 0.6	2	1	4				7
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2555.7	1503.3	1714.6	4.2			5777.8

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		2	10	1			13
1.8 TO 2.0		5	11				16
1.6 TO 1.8	2	7	9				18
1.5 TO 1.6	5	13	8	2			28
1.4 TO 1.5	9	26	32				67
1.3 TO 1.4	24	63	49	1			137
1.2 TO 1.3	102	180	139	1			422
1.1 TO 1.2	349	522	700	1			1622
0.8 TO 0.9	271	318	385	1			975
0.7 TO 0.8	36	56	55				147
0.6 TO 0.7	2	12	6				20
0.4 TO 0.6		1	4	1			6
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	499.9	688.4	1068.1	11.7			2268.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		1	1				2
1.8 TO 2.0		1					1
1.6 TO 1.8		2	1				3
1.5 TO 1.6		2	3				5
1.4 TO 1.5	1	2	1				4
1.3 TO 1.4	5	3	2				10
1.2 TO 1.3	1	16	16				33
1.1 TO 1.2	4	127	65				196
0.8 TO 0.9	2	67	31				100
0.7 TO 0.8		4	4				8
0.6 TO 0.7		2					2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	9.6	189.3	212.8	0.8			412.5

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			1				1
1.4 TO 1.5							
1.3 TO 1.4	1	1	1				3
1.2 TO 1.3	1	5	5				11
1.1 TO 1.2	5	32	22				59
0.8 TO 0.9	1	16	12				29
0.7 TO 0.8		1					1
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.4	143.7	36.0	0.4			182.4

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		2					2
1.5 TO 1.6							
1.4 TO 1.5		2	1				3
1.3 TO 1.4		4	1				5
1.2 TO 1.3		27	5				32
1.1 TO 1.2		219	34				253
0.8 TO 0.9	1	77	7				85
0.7 TO 0.8		8	3				11
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.4	282.0	19.0	2.0			309.5

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		2					2
1.5 TO 1.6							
1.4 TO 1.5		1					1
1.3 TO 1.4	1	5					6
1.2 TO 1.3	6	17	1				24
1.1 TO 1.2	4	150	12				166
0.8 TO 0.9	1	58	12				71
0.7 TO 0.8		2					2
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	11.7	278.0	70.2				360.0

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1	2				3
0.8 TO 0.9	5		1				6
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.0	35.9	55.0				95.9

Table 40

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0		3	1				4
1.6 TO 1.8	1	6	2				9
1.5 TO 1.6	6	5	4				15
1.4 TO 1.5	7	13	18				38
1.3 TO 1.4	23	49	41				113
1.2 TO 1.3	150	217	211	2			590
1.1 TO 1.2	1363	1005	996	8			3372
0.8 TO 0.9	754	483	521	7			1765
0.7 TO 0.8	64	63	105				232
0.6 TO 0.7	1	8	13				22
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1484.9	1025.6	1678.7	34.4			4223.6

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			3				3
1.8 TO 2.0			1	3			4
1.6 TO 1.8			4	1			5
1.5 TO 1.6	2			4			6
1.4 TO 1.5	9		6	4	1		20
1.3 TO 1.4	16	17	15	2			50
1.2 TO 1.3	50	61	67				178
1.1 TO 1.2	165	200	224				589
0.9 TO 0.9	107	116	93				316
0.7 TO 0.8	13	15	19				47
0.6 TO 0.7		5	6				11
0.4 TO 0.6		2	1				3
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	186.4	319.7	555.3	0.5			1061.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			1				1
1.4 TO 1.5			1				1
1.3 TO 1.4			2	2			4
1.2 TO 1.3			3	7			10
1.1 TO 1.2	3	6	12				21
0.8 TO 0.9		4	7				11
0.7 TO 0.8		1	1				2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.1	29.0	15.2				44.3

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.6							
1.5 TO 1.6							
1.4 TO 1.5			1				1
1.3 TO 1.4				1			1
1.2 TO 1.3		2	14	1			17
1.1 TO 1.2	3	16	56				75
0.8 TO 0.9		40	25				65
0.7 TO 0.8		6		1			7
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.0	36.9	79.8	0.8			119.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			1				1
1.3 TO 1.4			1				1
1.2 TO 1.3			2	2			4
1.1 TO 1.2			17	3			20
0.8 TO 0.9			32	4			36
0.7 TO 0.8			5				5
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		65.9	8.0				74.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			6	3			9
1.1 TO 1.2	1		72	17			90
0.8 TO 0.9	1		55	5			61
0.7 TO 0.8			3	1			4
0.6 TO 0.7				1			1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.2	140.1	130.6				270.9

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1					1
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		6.0	14.0				20.0

Table 41

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0		1					1
1.6 TO 1.8		2	1				3
1.5 TO 1.6			3				3
1.4 TO 1.5		3	7				10
1.3 TO 1.4	1	9	34				44
1.2 TO 1.3	27	78	144				249
1.1 TO 1.2	267	408	738	11			1424
0.9 TO 0.9	108	222	486	8			824
0.7 TO 0.8	8	31	64	1			104
0.6 TO 0.7		1	7				8
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	292.3	455.6	1265.7	21.9			2035.5

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6			1				1
1.4 TO 1.5			1				1
1.3 TO 1.4		1	6				7
1.2 TO 1.3	3	15	26				44
1.1 TO 1.2	8	109	190				307
0.9 TO 0.9	4	46	109				179
0.7 TO 0.8		1	12				13
0.6 TO 0.7			4				4
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	10.1	110.3	204.9				325.3

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1					1
1.1 TO 1.2		4	2				6
0.9 TO 0.9	1	5					6
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.8	34.8	3.7				39.3

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1	1				2
1.1 TO 1.2	2	27	4				33
0.9 TO 0.9		30					30
0.7 TO 0.8		3	1				4
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.0	78.0	15.4	2.0			95.4

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		5					5
1.1 TO 1.2		65	5				70
0.9 TO 0.9		28	4				32
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	40.8	4.7					45.5

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		3	1				4
0.9 TO 0.9		1	2				3
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.7	20.6	28.1				49.4

Table 42

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude 0 to 2000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.6 TO	2.0		*					
1.5 TO	1.6							
1.5 TO	1.5							
1.4 TO	1.5		1	1				2
1.3 TO	1.4		3	6				9
1.2 TO	1.3		11	43				54
1.1 TO	1.2	17	85	86				188
0.8 TO	0.9	6	22	61				89
0.7 TO	0.8		8	49				57
0.6 TO	0.7		1	8				9
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		38.2	56.2	110.0				204.4

Altitude 2000 to 5000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.6 TO	2.0							
1.5 TO	1.6							
1.5 TO	1.5							
1.4 TO	1.5							
1.3 TO	1.4							
1.2 TO	1.3			4				4
1.1 TO	1.2		1	10				11
0.8 TO	0.9		2	4				6
0.7 TO	0.8		1	1				2
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)			4.5	10.2				14.7

Table 43

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: Below 75,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6	1						1
1.4 TO 1.5	3	1	1				5
1.3 TO 1.4	19	3	1				23
1.2 TO 1.3	90	13	1				104
1.1 TO 1.2	146	25	5				196
0.8 TO 0.9	120	17	1				138
0.7 TO 0.8	21	4					25
0.6 TO 0.7	1						1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	81.9	16.9	3.4				102.2

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6			1				1
1.4 TO 1.5		1	3				4
1.3 TO 1.4	1	1	2	1			5
1.2 TO 1.3	4	3	6				13
1.1 TO 1.2	11	13	13	3			40
0.8 TO 0.9	4	3	5	2			14
0.7 TO 0.8			1				1
0.6 TO 0.7							
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	25.2	13.7	21.2	5.9			66.0

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8				1			1
1.5 TO 1.6							
1.4 TO 1.5			1				1
1.3 TO 1.4				2			2
1.2 TO 1.3			5				5
1.1 TO 1.2			15				15
0.8 TO 0.9			3				3
0.7 TO 0.8			1				1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		2.5	16.4	0.9			19.8

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1	1				2
1.1 TO 1.2		5	7				12
0.8 TO 0.9		4	4				8
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		6.6	9.9				16.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			1				1
1.1 TO 1.2			2				2
0.8 TO 0.9		1	5				6
0.7 TO 0.8			1				1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		11.0	41.2				52.2

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9			1				1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		2.0	2.7				4.7

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4	NO ENTRIES						
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		8.0	2.0				10.0

Table 44

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			2				2
1.8 TO 2.0			1	5			6
1.6 TO 1.8	2	7	5				14
1.5 TO 1.6	2	14	6				22
1.4 TO 1.5	23	48	19				82
1.3 TO 1.4	109	135	37				281
1.2 TO 1.3	568	410	65				1043
1.1 TO 1.2	2123	893	143				3159
0.8 TO 0.9	1289	445	91				1825
0.7 TO 0.8	190	101	24				315
0.6 TO 0.7	11	18	7				36
0.4 TO 0.6	4		2				6
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1235.2	869.6	266.8	0.1			2371.7

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0							
1.6 TO 1.8		1	4				5
1.5 TO 1.6		1	5				6
1.4 TO 1.5	2	12	14	1			29
1.3 TO 1.4	16	57	37	2			112
1.2 TO 1.3	48	207	84	4			343
1.1 TO 1.2	327	544	206	7			1084
0.8 TO 0.9	199	286	119	1			605
0.7 TO 0.8	42	56	33	1			132
0.6 TO 0.7	3	3	7				13
0.4 TO 0.6		2	3				5
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	295.1	494.0	303.6	12.1			1104.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			2				2
1.5 TO 1.6		1	2	1			4
1.4 TO 1.5		3	8	1			12
1.3 TO 1.4		7	24	4			35
1.2 TO 1.3	4	29	68	5			106
1.1 TO 1.2	8	106	278	10			402
0.8 TO 0.9	7	74	184	4			269
0.7 TO 0.8	4	21	18	1			44
0.6 TO 0.7		2					2
0.4 TO 0.6		2	1	1			4
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	7.9	153.4	538.1	23.8			723.2

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			1				1
1.6 TO 1.8		1	4				5
1.5 TO 1.6		3	3	1			7
1.4 TO 1.5		3	2	2			7
1.3 TO 1.4	2	7	11	1			21
1.2 TO 1.3	1	23	41	2			67
1.1 TO 1.2	4	65	169	7			245
0.8 TO 0.9	6	38	90	2			138
0.7 TO 0.8		7	11	1			19
0.6 TO 0.7		4	3				7
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.2	145.5	357.6	7.3			515.6

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			3	1			4
1.5 TO 1.6			4	2			6
1.4 TO 1.5	1	11	11	1			24
1.3 TO 1.4		23	43				66
1.2 TO 1.3	2	88	157	4			251
1.1 TO 1.2							
0.8 TO 0.9	6	57	99	1			163
0.7 TO 0.8	1	12	19				32
0.6 TO 0.7		6	3				9
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.7	310.6	651.8	3.3			984.3

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			2				2
1.5 TO 1.6							
1.4 TO 1.5			4	1			5
1.3 TO 1.4			8				8
1.2 TO 1.3			60	16			76
1.1 TO 1.2	3		468	139			610
0.8 TO 0.9	4		316	79			399
0.7 TO 0.8	2		24	4			30
0.6 TO 0.7			3				3
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	14.5		1973.0	979.0	1.4		2967.9

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			1	1			2
1.3 TO 1.4							
1.2 TO 1.3	1		4	2			7
1.1 TO 1.2	4		45	19			68
0.8 TO 0.9	1		38	16			55
0.7 TO 0.8			3	1			4
0.6 TO 0.7			1				1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	7.2	1451.5	249.7				1708.4

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		7					7
0.8 TO 0.9		25					25
0.7 TO 0.8		1	1				2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		329.0	124.0				453.0

Table 45

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 85, 000 to 95, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		1	2				3
1.8 TO 2.0		2	4				6
1.6 TO 1.8	2	6	7				15
1.5 TO 1.6	4	13	8	2			27
1.4 TO 1.5	24	46	13	3			86
1.3 TO 1.4	121	149	50	2			322
1.2 TO 1.3	612	608	147	5			1372
1.1 TO 1.2	2763	1410	300	3			4456
0.8 TO 0.9	1651	713	148	1			2513
0.7 TO 0.8	217	145	49	1			412
0.6 TO 0.7	13	18	10				41
0.4 TO 0.6	3	3	3				9
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1466.0	1309.2	792.6	17.4			3585.1

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8			1				1
2.0 TO 2.4			1				1
1.8 TO 2.0			8	1			9
1.6 TO 1.8		3	3	1			7
1.5 TO 1.6		9	8	1			18
1.4 TO 1.5	10	32	16	1			59
1.3 TO 1.4	56	113	51	1			71
1.2 TO 1.3	196	501	207	4			24
1.1 TO 1.2	542	1269	530	12			2353
0.8 TO 0.9	373	746	282	5			1406
0.7 TO 0.8	73	177	64	1			315
0.6 TO 0.7	8	29	8				45
0.4 TO 0.6	3	5	3				11
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	503.3	1299.9	1013.4	12.7			2829.3

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0			1				1
1.6 TO 1.8			1				1
1.5 TO 1.6			6				7
1.4 TO 1.5		1	16				17
1.3 TO 1.4	1	17	44	6			68
1.2 TO 1.3	8	71	104	8			191
1.1 TO 1.2	29	361	447	20			457
0.8 TO 0.9	24	249	231	8			512
0.7 TO 0.8		24	37				61
0.6 TO 0.7		5	12				17
0.4 TO 0.6		4	2				6
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	36.1	706.3	946.3	37.0			1749.0

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			8	1			9
1.5 TO 1.6			7				7
1.4 TO 1.5			12	5			17
1.3 TO 1.4	1	19	15				35
1.2 TO 1.3	3	61	72	3			139
1.1 TO 1.2	8	263	334	11			613
0.8 TO 0.9	13	191	210	11			425
0.7 TO 0.8	1	24	18				43
0.6 TO 0.7		1	4				5
0.4 TO 0.6		1					1
0.2 TO 0.4		1					1
0.0 TO 0.2		1					1
BELOW 0.0							
FLT TIME (MIN)	17.6	712.7	974.8	17.5			1722.6

Altitude: 15 000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		1					1
1.8 TO 2.0		1					1
1.6 TO 1.8		3					3
1.5 TO 1.6		1					1
1.4 TO 1.5		4	1				5
1.3 TO 1.4		15	8				23
1.2 TO 1.3	9	74	69	3			154
1.1 TO 1.2	35	444	372	5			856
0.8 TO 0.9	26	244	250	2			522
0.7 TO 0.8	1	28	16				45
0.6 TO 0.7		2	3				5
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	66.1	1449.2	1969.0	5.5			3386.7

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0							
1.6 TO 1.8		2	1				3
1.5 TO 1.6		3	1				4
1.4 TO 1.5		1					1
1.3 TO 1.4	1	16	4				21
1.2 TO 1.3	4	116	21	1			142
1.1 TO 1.2	32	1136	292				1450
0.8 TO 0.9	39	653	210	1			903
0.7 TO 0.8	2	46	14				62
0.6 TO 0.7	2	4					6
0.4 TO 0.6	1						1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	173.0	6706.4	4415.2	1.0			11295.6

Altitude: 25 000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			1				1
1.3 TO 1.4		1	1				2
1.2 TO 1.3		54	4				58
1.1 TO 1.2	9	566	65				640
0.8 TO 0.9	4	411	45				460
0.7 TO 0.8		7	4				11
0.6 TO 0.7		3					3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	120.6	6020.5	1049.4				7190.5

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5		1					1
1.3 TO 1.4							
1.2 TO 1.3	1	5					6
1.1 TO 1.2	4	89					93
0.8 TO 0.9	6	57					63
0.7 TO 0.8	2	3					5
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	62.8	907.5	37.2				1007.5

Table 46
C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8	1	1	1				3
1.5 TO 1.6	1		2				3
1.4 TO 1.5	7	20	1				28
1.3 TO 1.4	36	59	12				107
1.2 TO 1.3	229	237	43	1			510
1.1 TO 1.2	1301	750	409				2460
0.8 TO 0.9	738	408	186	1			1333
0.7 TO 0.8	88	60	11				159
0.6 TO 0.7	13	6	1				20
0.4 TO 0.6	1						1
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	652.7	570.6	336.1	1.9			1561.3

Altitude 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		3					3
1.5 TO 1.6	1	4	3				8
1.4 TO 1.5	2	16	5	1			24
1.3 TO 1.4	18	61	18				97
1.2 TO 1.3	70	188	65	1			324
1.1 TO 1.2	216	665	245	7			1133
0.8 TO 0.9	136	385	113	3			637
0.7 TO 0.8	17	73	23	1			114
0.6 TO 0.7	4	12	2				19
0.4 TO 0.6	1	4	2				7
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	233.6	796.3	364.1	4.1			1397.5

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.5 TO 1.6			2				2
1.4 TO 1.5		2	6	1			9
1.3 TO 1.4		11	24	5			40
1.2 TO 1.3	6	51	74	5			136
1.1 TO 1.2	22	307	256	10			595
0.8 TO 0.9	23	259	154	5			441
0.7 TO 0.8		28	16	1			45
0.6 TO 0.7		3	4				7
0.4 TO 0.6		2	1				3
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	27.3	953.8	432.1	17.7			1431.4

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6		1	3	1			5
1.4 TO 1.5		1	3				4
1.3 TO 1.4	1	9	16	3			29
1.2 TO 1.3	1	33	70	2			106
1.1 TO 1.2	12	179	264	32			487
0.8 TO 0.9	16	164	206	7			393
0.7 TO 0.8	1	16	19	1			37
0.6 TO 0.7			3				3
0.4 TO 0.6			2				2
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	30.1	1013.5	682.9	26.5			1753.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6			2				2
1.4 TO 1.5		2	1	1			4
1.3 TO 1.4		1	10				11
1.2 TO 1.3	1	30	38	4			73
1.1 TO 1.2	12	239	206	11			468
0.8 TO 0.9	13	148	122	9			292
0.7 TO 0.8	1	13	18	1			33
0.6 TO 0.7		3	6				9
0.4 TO 0.6			2				2
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	66.6	1340.9	1517.9	12.8			2938.2

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.5 TO 1.6		4					4
1.4 TO 1.5	1	3					4
1.3 TO 1.4	4	22	6				32
1.2 TO 1.3	9	101	25				135
1.1 TO 1.2	40	619	376	3			1038
0.8 TO 0.9	37	427	316				780
0.7 TO 0.8	8	33	30				71
0.6 TO 0.7	2	7	1				10
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	173.3	6775.3	3860.5	2.9			10811.9

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5		1	1				2
1.3 TO 1.4		3	2				5
1.2 TO 1.3	1	18	13				32
1.1 TO 1.2	10	400	131				541
0.8 TO 0.9	16	356	110				482
0.7 TO 0.8	2	16	5				23
0.6 TO 0.7		1					3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	110.1	[illegible]	[illegible]				7954.4

Altitude 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		1					1
1.4 TO 1.5							
1.3 TO 1.4		1					1
1.2 TO 1.3		8					8
1.1 TO 1.2	1	49					50
0.8 TO 0.9	4	35					42
0.7 TO 0.8		2					2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	40.3	614.5	6.8				661.6

Table 47

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8	1	1					2
1.5 TO 1.6	1	1					2
1.4 TO 1.5	3	8	1				12
1.3 TO 1.4	14	24	4				42
1.2 TO 1.3	76	97	23				196
1.1 TO 1.2	380	315	202				897
0.9 TO 0.9	211	122	143				476
0.7 TO 0.8	27	26	21				74
0.6 TO 0.7	5	3	5				13
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	202.1	183.5	166.1	0.8			552.9

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6		2					2
1.4 TO 1.5	5	3	7				10
1.3 TO 1.4	5	14	12				31
1.2 TO 1.3	33	65	35				133
1.1 TO 1.2	115	254	95	1			465
0.9 TO 0.9	56	159	42				257
0.7 TO 0.8	4	25	6				35
0.6 TO 0.7	1	3					4
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	40.9	340.5	168.8	4.3			554.3

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0			1				1
1.6 TO 1.8							
1.5 TO 1.6			2				2
1.4 TO 1.5		1		1			2
1.3 TO 1.4		1	6	2			9
1.2 TO 1.3	1	19	33	3			56
1.1 TO 1.2	8	117	152	4			281
0.9 TO 0.9	10	109	73	3			195
0.7 TO 0.8		5	5				10
0.6 TO 0.7		1	2				3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	15.5	230.6	290.9	19.6			890.5

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			1				1
1.4 TO 1.5		1	1	1			3
1.3 TO 1.4		11	21				32
1.2 TO 1.3	1	69	184	2			255
1.1 TO 1.2	1	51	111				163
0.9 TO 0.9		2	5				7
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.3	667.5	547.0	4.8			1224.6

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		1	2				3
1.4 TO 1.5			2				2
1.3 TO 1.4		6		1			7
1.2 TO 1.3	1	15	8				24
1.1 TO 1.2	1	138	66				205
0.9 TO 0.9	3	82	45				130
0.7 TO 0.8		7					7
0.6 TO 0.7		1	2				3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	54.7	1145.6	793.9	0.8			1994.9

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6							
1.4 TO 1.5	1	1	1				3
1.3 TO 1.4	2	12					14
1.2 TO 1.3	9	50	7				66
1.1 TO 1.2	30	529	81				640
0.9 TO 0.9	12	275	36				323
0.7 TO 0.8	3	30		1			34
0.6 TO 0.7		5	1				6
0.4 TO 0.6		2					2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	132.2	6406.6	1941.3	0.2			8480.3

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6							
1.4 TO 1.5		2					2
1.3 TO 1.4		22	4				26
1.2 TO 1.3	4	175	15				194
1.1 TO 1.2	4	65	6				99
0.9 TO 0.9		11					11
0.7 TO 0.8		2					2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	26.8	4079.6	129.6				4236.0

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1	1				2
1.1 TO 1.2	1	10	1				12
0.9 TO 0.9		1	1				2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	6.0	125.6	17.0				148.6

Table 48

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR Nz	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.4							
2.4 TO 2.5							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 1.9							
1.6 TO 1.8			1				1
1.4 TO 1.6	1	2					3
1.3 TO 1.4	6	20	4				30
1.2 TO 1.3	22	112	10				144
1.1 TO 1.2	256	314	58				628
0.9 TO 1.0	130	106	12				248
0.7 TO 0.9	7	11	2				20
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	113.7	164.8	115.2				393.7

Altitude: 2000 to 5000 feet

LOAD FACTOR Nz	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6			4				4
1.4 TO 1.5	3	8	6	2			19
1.3 TO 1.4	7	50	15				72
1.2 TO 1.3	23	213	68	3			307
1.1 TO 1.2	17	114	27				158
0.9 TO 1.1	1	21	5	1			28
0.7 TO 0.9		1					1
0.6 TO 0.7		2					2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	19.3	302.2	90.0	0.7			412.2

Altitude: 5000 to 10,000 feet

LOAD FACTOR Nz	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.4							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 1.8							
1.6 TO 1.6							
1.5 TO 1.5							
1.4 TO 1.4		4	3				7
1.3 TO 1.3		24	4	1			29
1.2 TO 1.2	1	131	33	4			169
1.1 TO 1.1	2	91	21	1			115
0.9 TO 1.0	2	7	1				10
0.7 TO 0.8		1					1
0.6 TO 0.7		3					3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	8.8	517.9	153.0	23.7			703.4

Altitude: 10,000 to 15,000 feet

LOAD FACTOR Nz	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		8	2	1			11
1.1 TO 1.2	2	57	15	4			78
0.9 TO 1.0	1	43	7	1			52
0.7 TO 0.9		3					3
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	10.5	558.5	98.7	6.4			694.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR Nz	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 1.8							
1.6 TO 1.6							
1.5 TO 1.5							
1.4 TO 1.4							
1.3 TO 1.3		2	1				3
1.2 TO 1.2	5	38	21				64
1.1 TO 1.1	4	27	8				39
0.9 TO 1.0		1	2				3
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	26.8	654.0	236.1				916.9

Altitude: 20,000 to 25,000 feet

LOAD FACTOR Nz	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			2				2
1.4 TO 1.5							
1.3 TO 1.4			1				1
1.2 TO 1.3		21	1				22
1.1 TO 1.2	6	133	30				169
0.9 TO 1.0	6	91	13				110
0.7 TO 0.9	1	6	1				8
0.6 TO 0.7		3					3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	57.2	2256.5	357.1				2680.8

Altitude: 25,000 to 30,000 feet

LOAD FACTOR Nz	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.5							
1.4 TO 1.4							
1.3 TO 1.3			1				1
1.2 TO 1.2		17	1				18
1.1 TO 1.1		19					19
0.9 TO 1.0		1					1
0.7 TO 0.9							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	19.0	911.1	22.0				951.1

Table 49

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL %
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	7	1					8
1.0 TO 0.9							
0.9 TO 0.8	3	1					4
0.8 TO 0.7	1						1
0.7 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.2							
0.2 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	1.9	0.4					2.2

Altitude: 2000 to 5000 feet

LOAD FACTOR "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL %
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		2					2
1.2 TO 1.3		5	2				7
1.1 TO 1.2	16	21	3				40
1.0 TO 0.9							
0.9 TO 0.8	14	8	4				26
0.8 TO 0.7	1	1	3				5
0.7 TO 0.6		1					1
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.2							
0.2 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	7.5	8.2	9.5				25.2

Altitude: 5000 to 10,000 feet

LOAD FACTOR "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL %
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		4	1				5
1.1 TO 1.2		9	3				12
1.0 TO 0.9							
0.9 TO 0.8		6					6
0.8 TO 0.7		3	1				4
0.7 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.2							
0.2 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	4.7	0.9					5.6

Altitude: 10,000 to 15,000 feet

LOAD FACTOR "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL %
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		2					2
1.1 TO 1.2							
1.0 TO 0.9							
0.9 TO 0.8							
0.8 TO 0.7							
0.7 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.2							
0.2 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	5.3						5.3

Altitude: 15,000 to 20,000 feet

LOAD FACTOR "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL %
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		NO ENTRIES					
1.1 TO 1.2							
1.0 TO 0.9							
0.9 TO 0.8							
0.8 TO 0.7							
0.7 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.2							
0.2 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	8.0						8.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL %
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		NO ENTRIES					
1.1 TO 1.2							
1.0 TO 0.9							
0.9 TO 0.8							
0.8 TO 0.7							
0.7 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.2							
0.2 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	10.0						10.0

Altitude: 25,000 to 30,000 feet

LOAD FACTOR "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL %
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		NO ENTRIES					
1.1 TO 1.2							
1.0 TO 0.9							
0.9 TO 0.8							
0.8 TO 0.7							
0.7 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.2							
0.2 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	10.0						10.0

Table 50

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: Below 75,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.5 TO 1.6	3						3
1.4 TO 1.5	6	5					11
1.3 TO 1.4	20	16	1				37
1.2 TO 1.3	76	43					119
1.1 TO 1.2	101	97	2				200
0.8 TO 0.9	92	52					144
0.7 TO 0.8	18	7					25
0.6 TO 0.7	1	2					3
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	109.4	80.9	1.5				171.8

Altitude: 2000 to 5000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		1					1
1.4 TO 1.5	1	8	1				10
1.3 TO 1.4	9	28	2				39
1.2 TO 1.3	44	70	19				133
1.1 TO 1.2	45	37	7				89
0.8 TO 0.9	5	16	1				22
0.7 TO 0.8		1					1
0.6 TO 0.7		2					2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	24.0	37.0	11.4				72.4

Altitude: 5000 to 10,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6				1			1
1.4 TO 1.5			1				1
1.3 TO 1.4			10				10
1.2 TO 1.3			12				12
0.8 TO 0.9			9				9
0.7 TO 0.8			2				2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		0.9	10.6	0.4			11.9

Altitude: 10,000 to 15,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			4				4
1.2 TO 1.3			11				11
0.8 TO 0.9		1	8				9
0.7 TO 0.8			1				1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		6.7	1.8				8.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			1				1
1.2 TO 1.3		3	2				5
1.1 TO 1.2	1	7	7				15
0.8 TO 0.9	1	5	7				13
0.7 TO 0.8		2	3				5
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.8	10.3	6.5				17.5

Altitude: 20,000 to 25,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		2					2
1.2 TO 1.3		6					6
1.1 TO 1.2		27	1				28
0.8 TO 0.9		15	1				17
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		69.4	12.9				82.3

Altitude: 25,000 to 30,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			NO ENTRIES				
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		8.9					8.9

Altitude: 30,000 feet and above

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1					1
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		6.8					6.8

Table 51

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			3	1			4
1.8 TO 2.0	1	2	2				5
1.6 TO 1.8	2	16	11				29
1.5 TO 1.6	4	21	10				35
1.4 TO 1.5	44	60	15	1			120
1.3 TO 1.4	150	202	50				402
1.2 TO 1.3	720	614	149	1			1484
1.1 TO 1.2	2689	1522	197				4408
0.8 TO 0.9	1489	691	117				2287
0.7 TO 0.8	204	117	41				362
0.6 TO 0.7	20	19	8				47
0.4 TO 0.6	4	2	2				8
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1449.7	987.2	398.6	4.6			2840.2

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1	1			2
1.8 TO 2.0				1			1
1.6 TO 1.8			4	3			7
1.5 TO 1.6	1	7	2				10
1.4 TO 1.5	8	27	8				43
1.3 TO 1.4	61	121	39				221
1.2 TO 1.3	230	410	105				745
1.1 TO 1.2	800	1053	329				2182
0.8 TO 0.9	482	517	164				1163
0.7 TO 0.8	116	108	24				248
0.6 TO 0.7	12	25	3				40
0.4 TO 0.6	2	3					5
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	662.2	925.1	568.6	1.0			2156.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			2	1			3
1.5 TO 1.6			5				5
1.4 TO 1.5	1	11	2				14
1.3 TO 1.4	4	11	10	2			27
1.2 TO 1.3	1	70	39	2			112
1.1 TO 1.2	15	180	146	6			347
0.8 TO 0.9	24	95	77	1			197
0.7 TO 0.8	4	19	11				34
0.6 TO 0.7	1	2	1				4
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	14.9	222.1	207.1	2.0			446.1

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			3				3
1.3 TO 1.4		5	9	4			18
1.2 TO 1.3	3	19	33	2			57
1.1 TO 1.2	9	74	81	3			167
0.8 TO 0.9	15	41	62				118
0.7 TO 0.8		5	11	1			17
0.6 TO 0.7			1				1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	9.1	117.7	145.9	2.4			275.2

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			3				3
1.6 TO 1.8			7				7
1.5 TO 1.6			7				7
1.4 TO 1.5			16				16
1.3 TO 1.4			28	3			31
1.2 TO 1.3	1		43	16	2		62
1.1 TO 1.2	15		204	52	3		274
0.8 TO 0.9	9		185	60	1		255
0.7 TO 0.8	1		22	9	1		33
0.6 TO 0.7			2				2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	12.9		270.0	154.4	1.5		438.8

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			2				2
1.5 TO 1.6			4				4
1.4 TO 1.5	1		10				11
1.3 TO 1.4	1		26	1			28
1.2 TO 1.3	9		67	2			78
1.1 TO 1.2	21		349	28			398
0.8 TO 0.9	28		326	26			380
0.7 TO 0.8	1		29	1			31
0.6 TO 0.7	1		6				7
0.4 TO 0.6	1		1				2
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	37.2		1230.6	404.8			1672.5

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	1	6					7
1.1 TO 1.2	3	19	9				31
0.8 TO 0.9	5	28					33
0.7 TO 0.8		2					2
0.6 TO 0.7	1						1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	7.9	526.1	138.1				672.1

Altitude: 30,000 feet And Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			7				7
0.8 TO 0.9			3				3
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	26.0		216.0				238.0

Table 52

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			2	1			3
1.8 TO 2.0			3	4			7
1.6 TO 1.8	1	22	10				33
1.5 TO 1.6	2	17	17	2			38
1.4 TO 1.5	35	66	43				142
1.3 TO 1.4	120	232	124	1			537
1.2 TO 1.3	924	915	521	1			2361
1.1 TO 1.2	3951	2634	1885	2			8472
0.8 TO 0.9	2282	1293	872	4			4451
0.7 TO 0.8	291	240	200	2			733
0.6 TO 0.7	33	31	40				104
0.4 TO 0.6	1	3	2				6
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2262.2	1795.4	1962.5	6.9			5927.0

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			4	3			7
1.8 TO 2.0			1	5			6
1.6 TO 1.8	3	14	8				25
1.5 TO 1.6	6	14	23	1			44
1.4 TO 1.5	9	83	43	4			139
1.3 TO 1.4	81	256	130	3			470
1.2 TO 1.3	376	913	432	13			1734
1.1 TO 1.2	1202	2104	1008	50			4364
0.8 TO 0.9	792	1249	518	21			2580
0.7 TO 0.8	127	236	111				474
0.6 TO 0.7	18	29	34				81
0.4 TO 0.6	3	9	9				21
0.2 TO 0.4		1	1				2
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1235.1	1976.9	1569.4	45.7			4827.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0				1			1
1.6 TO 1.8			3	2	2		7
1.5 TO 1.6			15	6			21
1.4 TO 1.5			14	18	1		33
1.3 TO 1.4	7	39	51	4			97
1.2 TO 1.3	22	218	181	4			425
1.1 TO 1.2	105	625	581	9			1320
0.8 TO 0.9	84	457	397	5			943
0.7 TO 0.8	8	60	35	2			105
0.6 TO 0.7	3	10	8	1			22
0.4 TO 0.6	1	3	1				5
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	220.2	985.9	737.8	8.7			1951.8

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4				1	1		2
1.8 TO 2.0			1	1			2
1.6 TO 1.8			1				1
1.5 TO 1.6	1		1	2			4
1.4 TO 1.5	1	2	4	2			9
1.3 TO 1.4	3	26	20	5			54
1.2 TO 1.3	5	68	71	10			154
1.1 TO 1.2	30	323	419	15			787
0.8 TO 0.9	27	233	291	14			565
0.7 TO 0.8	4	20	22	4			50
0.6 TO 0.7	2	1	2				5
0.4 TO 0.6			1				1
0.2 TO 0.4			1	0			1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	40.0	492.9	838.4	9.6			1332.9

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0			1				1
1.6 TO 1.8			3				3
1.5 TO 1.6			8	1			9
1.4 TO 1.5	2	10	7	1			20
1.3 TO 1.4	1	25	21				47
1.2 TO 1.3	9	117	92				178
1.1 TO 1.2	38	566	171	4			779
0.8 TO 0.9	28	388	144	8			568
0.7 TO 0.8	4	38	22				64
0.6 TO 0.7	3	5					8
0.4 TO 0.6	1						1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	74.3	1118.9	418.8	2.7			1613.9

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0			1				1
1.6 TO 1.8				1			1
1.5 TO 1.6			7	2			9
1.4 TO 1.5			10	2			12
1.3 TO 1.4	4		46	5			55
1.2 TO 1.3	9		240	13			266
1.1 TO 1.2	39		1051	97	2		1189
0.8 TO 0.9	24		685	58	2		769
0.7 TO 0.8	6		45	8			59
0.6 TO 0.7	2		19				21
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	24.1		1975.8	1147.8	8.4		4797.7

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6			3				3
1.4 TO 1.5			2				2
1.3 TO 1.4			8				8
1.2 TO 1.3	1		98				99
1.1 TO 1.2	6		221	4			231
0.8 TO 0.9	7		158	3			168
0.7 TO 0.8	2		14				16
0.6 TO 0.7	2		1				3
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	38.2		1122.1	51.2			1211.5

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4	2	3					5
1.2 TO 1.3	5	7					12
1.1 TO 1.2	59	100					159
0.8 TO 0.9	29	13					42
0.7 TO 0.8			1				1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	250.0	300.9	59.0				610.9

Table 53

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		1	1				2
1.8 TO 2.0			1				1
1.6 TO 1.8		4	3				7
1.5 TO 1.6	1	10	9				20
1.4 TO 1.5	5	14	3				22
1.3 TO 1.4	26	58	28				112
1.2 TO 1.3	171	275	111				557
1.1 TO 1.2	963	912	502	2			2379
0.8 TO 0.9	570	407	217				1194
0.7 TO 0.8	74	85	41				200
0.6 TO 0.7	4	7	3				14
0.4 TO 0.6	2		1				3
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	655.3	644.6	595.1	4.1			1899.1

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0		1	1				2
1.6 TO 1.8		2	2				4
1.5 TO 1.6	1	5	4				10
1.4 TO 1.5	2	18	14				34
1.3 TO 1.4	9	76	29	1			115
1.2 TO 1.3	80	256	88	7			431
1.1 TO 1.2	239	672	267	13			1191
0.8 TO 0.9	118	433	161	9			721
0.7 TO 0.8	26	72	23				121
0.6 TO 0.7	6	5	7				18
0.4 TO 0.6		5	1				6
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	257.1	692.6	429.2	14.4			1393.2

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			3				3
1.5 TO 1.6			1				1
1.4 TO 1.5		6	5				11
1.3 TO 1.4		16	11				27
1.2 TO 1.3	1	66	40	8			115
1.1 TO 1.2	3	199	104	11			317
0.8 TO 0.9	8	141	68	4			221
0.7 TO 0.8		22	5				27
0.6 TO 0.7	1	5	2				8
0.4 TO 0.6							
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	11.8	383.9	296.7	6.8			699.3

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.5 TO 1.6		2	1	1			4
1.4 TO 1.5		8	1				9
1.3 TO 1.4		9	2				11
1.2 TO 1.3	1	18	11	4			34
1.1 TO 1.2	11	118	62	9			200
0.8 TO 0.9	7	92	40	5			144
0.7 TO 0.8		2	2	1			5
0.6 TO 0.7			1				1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	12.3	379.3	164.3	4.2			560.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			1				1
1.3 TO 1.4		4	3				7
1.2 TO 1.3	7	28	26				61
1.1 TO 1.2	12	241	113				366
0.8 TO 0.9	10	148	53				211
0.7 TO 0.8	1	6	5				12
0.6 TO 0.7			2				2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	81.7	514.9	302.3				899.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		2	4				6
1.5 TO 1.6		2	3				5
1.4 TO 1.5		5	3				8
1.3 TO 1.4		7	1				8
1.2 TO 1.3	1	45	4				50
1.1 TO 1.2	3	407	35				445
0.8 TO 0.9	10	266	31				307
0.7 TO 0.8		21	2				23
0.6 TO 0.7		3	1				4
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0		1					1
FLT TIME (MIN)	19.8	2154.9	929.8				3104.6

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		3					3
1.2 TO 1.3		14					14
1.1 TO 1.2		97					97
0.8 TO 0.9	1	62	1				64
0.7 TO 0.8		4					4
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	15.1	1069.5	19.6				1104.2

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	1	7					8
1.1 TO 1.2	6	43	1				50
0.8 TO 0.9	4	2	2				8
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	72.0	156.0	10.0				238.0

Table 54

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		1	7				8
1.5 TO 1.6		3	6				9
1.4 TO 1.5	3	13	7				23
1.3 TO 1.4	11	45	8				64
1.2 TO 1.3	102	145	46				293
1.1 TO 1.2	531	464	253	1			1249
0.8 TO 0.9	356	290	100				746
0.7 TO 0.8	34	50	13				97
0.6 TO 0.7	2	7					9
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	466.1	436.0	312.0	4.5			1220.7

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0			1				1
1.6 TO 1.8			2				2
1.5 TO 1.6			2				2
1.4 TO 1.5		1	1				50
1.3 TO 1.4	6	27	17				252
1.2 TO 1.3	59	149	43	1			693
1.1 TO 1.2	145	357	141				429
0.8 TO 0.9	116	243	70				43
0.7 TO 0.8	10	30	3				5
0.6 TO 0.7		5					1
0.4 TO 0.6		1					
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	225.4	396.8	147.2	3.4			772.8

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1	1	1			3
1.2 TO 1.3		16	8	3			27
1.1 TO 1.2		48	38	3			89
0.8 TO 0.9	5	41	10	3			59
0.7 TO 0.8		7	2				9
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.5	135.1	27.7	3.3			169.7

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5		1					1
1.3 TO 1.4		1					1
1.2 TO 1.3		7	4				11
1.1 TO 1.2	2	38	25	3			68
0.8 TO 0.9	2	21	11	2			36
0.7 TO 0.8	2	1					3
0.6 TO 0.7		4					4
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	10.1	125.8	43.6	5.2			184.8

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		1					1
1.4 TO 1.5							
1.3 TO 1.4		3	1				4
1.2 TO 1.3	1	12	2				15
1.1 TO 1.2	1	57	16				74
0.8 TO 0.9		21	6	2			29
0.7 TO 0.8		4					4
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	47.8	187.6	152.5	0.8			388.8

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1	1				2
1.2 TO 1.3		9	1				10
1.1 TO 1.2	2	46	22				70
0.8 TO 0.9	1	34	23				58
0.7 TO 0.8		3					3
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.3	881.0	324.5				1210.8

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		3					3
0.8 TO 0.9		4					4
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.5	149.5					150.0

Table 55

C-130A — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.5 TO 1.6		1					1
1.4 TO 1.5							
1.3 TO 1.4		8	4				12
1.2 TO 1.3	2	38	10				50
1.1 TO 1.2	62	117	64				243
0.9 TO 0.9	41	57	16				114
0.7 TO 0.8	6	15	1				22
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	52.8	64.7	50.8				170.3

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			2				2
1.3 TO 1.4		1					1
1.2 TO 1.3		12	3	1			16
1.1 TO 1.2		69	5				74
0.9 TO 0.9		10	3				13
0.7 TO 0.8		2					2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.4	68.1	6.0	0.2			74.7

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0			1				1
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			1				1
1.1 TO 1.2		11	9				20
0.9 TO 0.9		15	3				18
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		52.9	9.9				62.8

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1					1
1.1 TO 1.2		10	2				12
0.9 TO 0.9		4					4
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		71.3	2.5				73.8

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		6	4				10
0.9 TO 0.9		6	1				7
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		81.1	109.6				190.7

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			2				2
1.3 TO 1.4							
1.2 TO 1.3		2	3				5
1.1 TO 1.2		32	7				39
0.9 TO 0.9		15	2				17
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	3.5	463.3	31.7				498.5

Table 56

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: Below 75, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4	4						4
0.2 TO 0.3	23	5	1				29
0.1 TO 0.2	138	38	3				179
-0.2 TO -0.1	130	30	2				162
-0.3 TO -0.2	30	7					37
-0.4 TO -0.3	8						8
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	43.3	23.0	0.2				66.5

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3		1	2				3
0.1 TO 0.2	3	47	27				77
-0.2 TO -0.1	4	31	14				49
-0.3 TO -0.2	1	4	2				7
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1.1	8.8	4.9				14.8

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		1					1
0.1 TO 0.2		6					6
-0.2 TO -0.1		4					4
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		5.3	2.9				8.2

Altitude: 10 000 to 15 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)			1.7				1.7

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		1.1	0.8				1.9

Altitude: 20 000 to 25 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)			17.5				17.5

Table 57

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0	1		7				8
0.6 TO 0.8	1	2	8				11
0.4 TO 0.6	6	13	32				51
0.2 TO 0.4	54	69	177				300
0.0 TO 0.2	413	351	589				1353
-0.1 TO 0.0	2410	1839	1621				5870
-0.2 TO -0.1	2186	1502	1656				5338
-0.3 TO -0.2	335	763	535				1133
-0.4 TO -0.3	34	44	171				254
-0.6 TO -0.4	8	10	55				73
-0.8 TO -0.6			6				6
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1246.8	817.2	451.8				2515.8

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4			1				1
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8		1	2				3
0.5 TO 0.6		1	3				4
0.4 TO 0.5	2	4	9				15
0.3 TO 0.4	10	27	55				92
0.2 TO 0.3	52	179	169				400
0.1 TO 0.2	338	775	594	1			1708
-0.2 TO -0.1	261	666	569	2			1497
-0.3 TO -0.2	48	177	153				378
-0.4 TO -0.3	3	38	52				93
-0.6 TO -0.4		10	16				26
-0.8 TO -0.6			1				1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	236.2	366.3	413.9	1.9			998.3

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			6				6
0.2 TO 0.3			6				6
0.1 TO 0.2		18	34				52
-0.2 TO -0.1		41	22	1			64
-0.3 TO -0.2			5				5
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.1	115.0	54.8	0.4			177.3

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			2				2
0.2 TO 0.3			2				2
0.1 TO 0.2		5	10				15
-0.2 TO -0.1		6	9				15
-0.3 TO -0.2			2				2
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.5	176.9	46.6				196.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			3				3
0.2 TO 0.3			7				7
-0.2 TO -0.1			3				3
-0.3 TO -0.2			2				2
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	9.2	126.4	15.9				151.6

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		2					2
0.1 TO 0.2		29	1				30
-0.2 TO -0.1	1	26	1				28
-0.3 TO -0.2		3					3
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	15.8	269.6	14.4				299.8

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		11	1				12
-0.2 TO -0.1		20					20
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	12.6	65.8	57.2				135.6

Table 58

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 85, 000 to 95, 000 lb.

Altitude: 0 to 2000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.4							
1.4 TO 1.3							
1.3 TO 1.2							
1.2 TO 1.1							
1.1 TO 1.0							
1.0 TO 0.9	1	2	5				8
0.9 TO 0.8	1	3	28				32
0.8 TO 0.7	7	27	110				144
0.7 TO 0.6	59	150	552				761
0.6 TO 0.5	540	763	2316				3624
0.5 TO 0.4	3876	3624	3619	9			15529
0.4 TO 0.3							
0.3 TO 0.2	3611	3353	7414	5			14813
0.2 TO 0.1	673	639	2271				3448
0.1 TO 0.0	67	133	591				791
0.0 TO -0.1	9	31	192				232
-0.1 TO -0.2			5				5
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
BELOW -0.5							
FLT TIME (MIN)	2553.7	1503.3	1716.6	4.2			5777.8

Altitude: 2000 to 5000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.4							
1.4 TO 1.3							
1.3 TO 1.2							
1.2 TO 1.1							
1.1 TO 1.0							
1.0 TO 0.9		1	7				8
0.9 TO 0.8	1	4	23	1			29
0.8 TO 0.7	1	20	89	4			114
0.7 TO 0.6	26	77	434	15			552
0.6 TO 0.5	176	457	1443	45			2120
0.5 TO 0.4	1050	1549	4270	85			6950
0.4 TO 0.3							
0.3 TO 0.2	961	1526	4445	89			7019
0.2 TO 0.1	161	357	1448	54			2020
0.1 TO 0.0	30	66	392	23			511
0.0 TO -0.1	1	17	150	6			174
-0.1 TO -0.2			11				11
-0.2 TO -0.3			1				1
-0.3 TO -0.4							
-0.4 TO -0.5							
BELOW -0.5							
FLT TIME (MIN)	444.9	658.4	1064.1	11.7			2268.1

Altitude: 5000 to 10, 00 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.4							
1.4 TO 1.3							
1.3 TO 1.2							
1.2 TO 1.1							
1.1 TO 1.0							
1.0 TO 0.9							
0.9 TO 0.8							
0.8 TO 0.7							
0.7 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3		1					1
0.3 TO 0.2	1	5	5	1			12
0.2 TO 0.1	1	43	62	2			108
0.1 TO 0.0		51	57	1			109
0.0 TO -0.1	1	5	7				13
-0.1 TO -0.2		2		1			3
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
BELOW -0.5							
FLT TIME (MIN)	9.8	189.3	212.0	0.8			412.5

Altitude: 10, 000 to 15, 000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.4							
1.4 TO 1.3							
1.3 TO 1.2							
1.2 TO 1.1							
1.1 TO 1.0							
1.0 TO 0.9							
0.9 TO 0.8							
0.8 TO 0.7							
0.7 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3							
0.3 TO 0.2		15	1				16
0.2 TO 0.1		30	3				33
0.1 TO 0.0		2					2
0.0 TO -0.1							
-0.1 TO -0.2							
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
BELOW -0.5							
FLT TIME (MIN)	2.4	163.7	36.0	0.4			182.4

Altitude: 15, 000 to 20, 000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.4							
1.4 TO 1.3							
1.3 TO 1.2							
1.2 TO 1.1							
1.1 TO 1.0							
1.0 TO 0.9							
0.9 TO 0.8							
0.8 TO 0.7							
0.7 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4		2					2
0.4 TO 0.3		2					2
0.3 TO 0.2		15					15
0.2 TO 0.1		103					103
0.1 TO 0.0		177	3				180
0.0 TO -0.1		18	1				19
-0.1 TO -0.2		3					3
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
BELOW -0.5							
FLT TIME (MIN)	5.4	292.8	10.8	2.0			309.5

Altitude: 20, 000 to 25, 000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.4							
1.4 TO 1.3							
1.3 TO 1.2							
1.2 TO 1.1							
1.1 TO 1.0							
1.0 TO 0.9							
0.9 TO 0.8							
0.8 TO 0.7							
0.7 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3		2					2
0.3 TO 0.2		3					3
0.2 TO 0.1		14					14
0.1 TO 0.0	2	81	7				90
0.0 TO -0.1	5	137	5				147
-0.1 TO -0.2		7	1				8
-0.2 TO -0.3		1					1
-0.3 TO -0.4							
-0.4 TO -0.5							
BELOW -0.5							
FLT TIME (MIN)	11.7	278.0	70.2				360.0

Altitude: 25 000 to 30, 000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.4							
1.4 TO 1.3							
1.3 TO 1.2							
1.2 TO 1.1							
1.1 TO 1.0							
1.0 TO 0.9							
0.9 TO 0.8							
0.8 TO 0.7							
0.7 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3		6					6
0.3 TO 0.2		75	1				76
0.2 TO 0.1		69	1				70
0.1 TO 0.0		11					11
0.0 TO -0.1		2					2
-0.1 TO -0.2							
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
BELOW -0.5							
FLT TIME (MIN)	5.0	35.0	55.0				95.0

Table 59

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8		2	12				14
0.5 TO 0.6		6	73	2			81
0.4 TO 0.5	2	19	224				245
0.3 TO 0.4	25	91	737	10			863
0.2 TO 0.3	159	399	2304	13			2869
0.1 TO 0.2	1460	2121	7089	42			10712
-0.2 TO -0.1	1296	2016	7125	44			10479
-0.3 TO -0.2	159	356	2317	11			2839
-0.4 TO -0.3	11	73	719	6			809
-0.6 TO -0.5	9	25	299	2			331
-0.8 TO -0.6			39				39
-1.0 TO -0.8			2				2
BELOW -1.0							
FLT TIME (MIN)	1484.9	1825.6	1878.7	34.4			4223.5

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.9							
1.4 TO 1.8							
1.0 TO 1.4							
0.3 TO 1.0			1				1
0.6 TO 0.8			5	3			4
0.5 TO 0.6				18			18
0.4 TO 0.5	3	13	45				101
0.3 TO 0.4	16	58	276	1			351
0.2 TO 0.3	98	213	959	2			1272
0.1 TO 0.2	362	868	2526	5			3769
-0.2 TO -0.1	369	883	2649	3			3894
-0.3 TO -0.2	69	225	1001				1294
-0.4 TO -0.3	15	33	342				305
-0.6 TO -0.4		11	117				128
-0.8 TO -0.6		1	16				17
-1.0 TO -0.8			2				2
BELOW -1.0							
FLT TIME (MIN)	186.4	319.7	555.3	0.5			1061.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			4				4
0.2 TO 0.3		1	4				5
0.1 TO 0.2		29	12				41
-0.2 TO -0.1		19	28				47
-0.3 TO -0.2		3	7				10
-0.4 TO -0.3		1					1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.1	29.0	15.2				44.3

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.6 TO 1.0							
0.6 TO 0.6							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4				2	1		3
0.2 TO 0.3				17			17
0.1 TO 0.2			34	134	4		152
-0.2 TO -0.1			10	127	2		139
-0.3 TO -0.2			1	16	1		18
-0.4 TO -0.3				3			3
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.8	36.9	79.8	0.8			119.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			2				2
-0.2 TO -0.1		2	2				4
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		65.9	8.8				74.8

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			4	7			11
-0.2 TO -0.1			2	2			4
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.7	148.1	130.6				279.9

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1		1					1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		6.8	14.0				20.8

Table 60

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8				3	1		4
0.5 TO 0.6				12			12
0.4 TO 0.5			1	54	1		56
0.3 TO 0.4	1	27	251				279
0.2 TO 0.3	22	156	1035	2			1215
0.1 TO 0.2	215	727	4099	28			5069
-0.2 TO -0.1	206	684	4232	45			4967
-0.3 TO -0.2	18	114	1063	7			1194
-0.4 TO -0.3	2	29	335	2			368
-0.6 TO -0.4		5	96				91
-0.8 TO -0.6			5				5
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	292.3	455.6	1265.7	21.9			2035.5

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6				2			2
0.4 TO 0.5			3	12			15
0.3 TO 0.4	1	1	53				55
0.2 TO 0.3	3	39	225				267
0.1 TO 0.2	29	136	703				870
-0.2 TO -0.1	18	133	729				880
-0.3 TO -0.2	5	37	182				222
-0.4 TO -0.3		6	33				39
-0.6 TO -0.4		1	13				14
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	10.1	119.3	204.0				325.3

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		1					1
0.1 TO 0.2		2					2
-0.2 TO -0.1		3					3
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.8	36.8	1.7				39.3

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		1					1
-0.2 TO -0.1		7					7
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.0	76.0	15.4	2.0			95.4

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		5					5
-0.2 TO -0.1		28	1				29
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	40.8	4.7					45.5

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.7	20.6	29.1				49.4

NO ENTRIES

Table 61

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 115, 000 to 125, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			4				4
0.3 TO 0.4			14				14
0.2 TO 0.3		21	154				175
0.1 TO 0.2	2	116	611				729
-0.2 TO -0.1	1	122	567				690
-0.3 TO -0.2		25	117				142
-0.4 TO -0.3			17				17
-0.6 TO -0.4		1	3				4
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	30.2	98.2	118.8				286.4

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			2				2
0.2 TO 0.3			10				10
0.1 TO 0.2		1	47				48
-0.2 TO -0.1			46				46
-0.3 TO -0.2			15				15
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	4.5	10.2					14.7

Table 62

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: Below 75, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA Nz
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.4 TO 0.6	1						1
0.2 TO 0.4	6	1					7
0.0 TO 0.2	28	4	1				33
-0.2 TO 0.0	185	14	4				206
-0.4 TO -0.2	125	15	2				142
-0.6 TO -0.4	21	3					23
-0.8 TO -0.6	3	1					4
-1.0 TO -0.8	1						1
-1.2 TO -1.0							
BELOW -1.2							
FLT TIME (MIN)	51.9	37.3	3.4				102.2

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA Nz
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8							
0.6 TO 0.8				1			1
0.4 TO 0.6							
0.2 TO 0.4			3				3
0.0 TO 0.2		1	12				13
-0.2 TO 0.0	2	3	35				40
-0.4 TO -0.2	14	19	108	1			142
-0.6 TO -0.4	7	14	81				102
-0.8 TO -0.6		7	34				41
-1.0 TO -0.8	1	1	7				9
-1.2 TO -1.0							
BELOW -1.2							
FLT TIME (MIN)	25.2	13.7	21.2	5.9			66.0

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA Nz
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.4 TO 0.6							
0.2 TO 0.4			2				2
0.0 TO 0.2		1	9	1			11
-0.2 TO -0.0		1	4	1			6
-0.4 TO -0.2		-					
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		2.5	16.4	9.9			28.8

Altitude: 10 000 to 15, 000 feet

LOAD FACTOR DELTA Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA Nz
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8							
0.6 TO 0.8							
0.4 TO 0.5							
0.2 TO 0.4							
0.0 TO 0.2				1			1
-0.2 TO -0.0				1			1
-0.4 TO -0.2							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)			9.6	9.9			18.5

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA Nz
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8							
0.6 TO 0.6							
0.4 TO 0.5							
0.2 TO 0.4							
0.0 TO 0.2			7				7
-0.2 TO -0.0			2				2
-0.4 TO -0.2							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		18.0	44.2				52.2

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA Nz
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8							
0.6 TO 0.6							
0.4 TO 0.5							
0.2 TO 0.4							
0.0 TO 0.2			NO ENTRIES				
-0.2 TO -0.0							
-0.4 TO -0.2							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		2.0	2.7				4.7

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA Nz
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8							
0.6 TO 0.6							
0.4 TO 0.5							
0.2 TO 0.4			NO ENTRIES				
0.0 TO 0.2							
-0.2 TO -0.0							
-0.4 TO -0.2							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		8.0	2.0				10.0

Table 63

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8	1	1	3				5
0.5 TO 0.6	4	2	1				7
0.4 TO 0.5	10	21	9				40
0.3 TO 0.4	65	99	39				203
0.2 TO 0.3	453	414	237				1104
0.1 TO 0.2	2561	1758	915	1			5235
-0.2 TO -0.1	2340	1709	863	3			4915
-0.3 TO -0.2	362	340	231				933
-0.4 TO -0.3	55	58	48				161
-0.6 TO -0.4	1	16	20				37
-0.8 TO -0.6			1				1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1235.2	869.6	266.8	0.1			2371.7

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8			5				5
0.5 TO 0.6		2	13	2			17
0.4 TO 0.5		9	24	4			37
0.3 TO 0.4	18	38	114	7			169
0.2 TO 0.3	84	234	335	35			688
0.1 TO 0.2	554	1095	976	77			2702
-0.2 TO -0.1	508	1062	946	85			2601
-0.3 TO -0.2	68	183	305	25			581
-0.4 TO -0.3	5	33	85	11			134
-0.6 TO -0.4	1	6	43	2			52
-0.8 TO -0.6			2	1			3
-1.0 TO -0.8			1				1
BELOW -1.0			1				1
FLT TIME (MIN)	299.1	494.0	303.6	12.1			1104.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8			3	1			4
0.5 TO 0.6		1	3	1			5
0.4 TO 0.5		1	16	2			19
0.3 TO 0.4		13	74	11			98
0.2 TO 0.3	1	44	342	26			415
0.1 TO 0.2	11	175	1420	120			1726
-0.2 TO -0.1	22	201	1516	133			1872
-0.3 TO -0.2	1	56	331	15			406
-0.4 TO -0.3		10	62	8			80
-0.6 TO -0.4		1	24	2			27
-0.8 TO -0.6			2				2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	7.9	155.4	930.1	29.8			723.2

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		2	1				3
0.5 TO 0.6		1	3				4
0.4 TO 0.5			7				7
0.3 TO 0.4		1	6	1			8
0.2 TO 0.3	1	16	68	2			85
0.1 TO 0.2	9	89	250	13			361
-0.2 TO -0.1	7	109	251	7			374
-0.3 TO -0.2		17	58	4			79
-0.4 TO -0.3		6	14				20
-0.6 TO -0.4		1	2				3
-0.8 TO -0.6		1	1				2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	5.2	145.9	357.6	7.3			519.6

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0		1					1
0.6 TO 0.8			3				3
0.5 TO 0.6		1	2				3
0.4 TO 0.5		4	12				16
0.3 TO 0.4		14	16				30
0.2 TO 0.3		40	57				97
0.1 TO 0.2		266	382				648
-0.2 TO -0.1		268	339	2			609
-0.3 TO -0.2		59	64				123
-0.4 TO -0.3		12	15				27
-0.6 TO -0.4		2	7				9
-0.8 TO -0.6			2				2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.7	310.6	661.8	3.3			984.3

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		1					1
0.3 TO 0.4		4	6				10
0.2 TO 0.3		30	15				45
0.1 TO 0.2		230	242				472
-0.2 TO -0.1	1	267	232				500
-0.3 TO -0.2		26	31				57
-0.4 TO -0.3		6	5				11
-0.6 TO -0.4		3	3				6
-0.8 TO -0.6							
-1.0 TO -0.8		1					1
BELOW -1.0							
FLT TIME (MIN)	14.5	1973.0	979.8	1.4			2967.9

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE .8							
1.4 TO .8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4	2	1					3
0.2 TO 0.3	10	5	2				17
0.1 TO 0.2	23	159	73				255
-0.2 TO -0.1	20	137	66				223
-0.3 TO -0.2	5	15	3				23
-0.4 TO -0.3	2	1	1				4
-0.6 TO -0.4	1						1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	7.2	1451.5	249.7				1708.4

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.							
1.4 TO 1.6							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		3	1				4
-0.2 TO -0.1		3	1				4
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		329.0	124.0				453.0

Table 64

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 85, 000 to 95, 000 lb.

Altitude: 0 to 2000 feet

Load Factor Delta Nz	Less than 150	150 to 200	200 to 250	250 to 300	300 to 350	350 and above	Total Delta Nz
	Equivalent Airspeed - VE (Knots)						
Above 1.8							
1.4 to 1.8							
1.0 to 1.4							
0.8 to 1.0							
0.6 to 0.8			7				7
0.5 to 0.6	2	3	29	4			38
0.4 to 0.5	9	23	138	24			194
0.3 to 0.4	45	115	513	48			721
0.2 to 0.3	425	626	1642	60			2753
0.1 to 0.2	2841	3153	4525	82			10601
-0.2 to -0.1	2741	2938	4497	91			10267
-0.3 to -0.2	400	501	1707	71			2679
-0.4 to -0.3	49	54	463	36			602
-0.6 to -0.4	4	15	167	18			204
-0.8 to -0.6		2	10	1			13
-1.0 to -0.8			1				1
Below -1.0							
Flt Time (Min)	1466.0	1309.2	792.6	17.4			3585.1

Altitude: 2000 to 5000 feet

Load Factor Delta Nz	Less than 150	150 to 200	200 to 250	250 to 300	300 to 350	350 and above	Total Delta Nz
	Equivalent Airspeed - VE (Knots)						
Above 1.8							
1.4 to 1.8							
1.0 to 1.4							
0.8 to 1.0		1	1				2
0.6 to 0.8		2	16				18
0.5 to 0.6		10	37				47
0.4 to 0.5	4	28	116				148
0.3 to 0.4	27	137	331	3			498
0.2 to 0.3	238	637	1276	26			2177
0.1 to 0.2	1315	2884	3773	20			7992
-0.2 to -0.1	1337	2723	3863	34			7957
-0.3 to -0.2	213	583	1177	17			1990
-0.4 to -0.3	35	117	335	2			489
-0.6 to -0.4	4	21	131	1			157
-0.8 to -0.6		2	13				15
-1.0 to -0.8			3				3
Below -1.0							
Flt Time (Min)	503.3	1294.9	1013.4	12.7			2824.3

Altitude: 5000 to 10, 000 feet

Load Factor Delta Nz	Less than 150	150 to 200	200 to 250	250 to 300	300 to 350	350 and above	Total Delta Nz
	Equivalent Airspeed - VE (Knots)						
Above 1.8							
1.4 to 1.8							
1.0 to 1.4							
0.8 to 1.0							
0.6 to 0.8		1	4				5
0.5 to 0.6		2	12				14
0.4 to 0.5		3	21	1			25
0.3 to 0.4		13	61	5			79
0.2 to 0.3		73	246	19			338
0.1 to 0.2	20	458	901	46			1425
-0.2 to -0.1	14	418	939	45			1416
-0.3 to -0.2	2	81	183	14			280
-0.4 to -0.3		25	47	1			73
-0.6 to -0.4		5	13	3			21
-0.8 to -0.6		1	6				7
-1.0 to -0.8		1	3				4
Below -1.0							
Flt Time (Min)	36.1	706.3	969.5	37.0			1749.0

Altitude: 10, 000 to 15, 000 feet

Load Factor Delta Nz	Less than 150	150 to 200	200 to 250	250 to 300	300 to 350	350 and above	Total Delta Nz
	Equivalent Airspeed - VE (Knots)						
Above 1.8							
1.4 to 1.8							
1.0 to 1.4							
0.8 to 1.0							
0.6 to 0.8			2				2
0.5 to 0.6		2	2				4
0.4 to 0.5		1	2				3
0.3 to 0.4		4	8				12
0.2 to 0.3		12	30	1			43
0.1 to 0.2	6	112	175	8			301
-0.2 to -0.1	5	138	149	7			299
-0.3 to -0.2		34	23				57
-0.4 to -0.3		5	7				12
-0.6 to -0.4		1	2				3
-0.8 to -0.6		1					1
-1.0 to -0.8							
Below -1.0							
Flt Time (Min)	17.6	712.7	974.8	17.5			1722.6

Altitude: 15, 000 to 20, 000 feet

Load Factor Delta Nz	Less than 150	150 to 200	200 to 250	250 to 300	300 to 350	350 and above	Total Delta Nz
	Equivalent Airspeed - VE (Knots)						
Above 1.8							
1.4 to 1.8							
1.0 to 1.4							
0.8 to 1.0							
0.6 to 0.8							
0.5 to 0.6							
0.4 to 0.5	1	1	4				6
0.3 to 0.4		4	16				20
0.2 to 0.3	4	27	52				83
0.1 to 0.2	11	330	349	3			693
-0.2 to -0.1	22	354	270				646
-0.3 to -0.2	2	41	50				93
-0.4 to -0.3	2	2	12				16
-0.6 to -0.4		1	1				2
-0.8 to -0.6							
-1.0 to -0.8							
Below -1.0							
Flt Time (Min)	64.1	1448.2	1869.0	5.5			3386.7

Altitude: 20, 000 to 25, 000 feet

Load Factor Delta Nz	Less than 150	150 to 200	200 to 250	250 to 300	300 to 350	350 and above	Total Delta Nz
	Equivalent Airspeed - VE (Knots)						
Above 1.8							
1.4 to 1.8							
1.0 to 1.4							
0.8 to 1.0							
0.6 to 0.8							
0.5 to 0.6		3	2				5
0.4 to 0.5		2	2				4
0.3 to 0.4		7	15				22
0.2 to 0.3		73	115				188
0.1 to 0.2	1	737	918				1656
-0.2 to -0.1	1	614	983				1598
-0.3 to -0.2		58	97				155
-0.4 to -0.3		15	15				30
-0.6 to -0.4		4					4
-0.8 to -0.6		3	1				4
-1.0 to -0.8			1				1
Below -1.0							
Flt Time (Min)	173.0	6706.4	4415.2	1.0			11295.6

Altitude: 25, 000 to 30 000 feet

Load Factor Delta Nz	Less than 150	150 to 200	200 to 250	250 to 300	300 to 350	350 and above	Total Delta Nz
	Equivalent Airspeed - VE (Knots)						
Above 1.8							
1.4 to 1.8							
1.0 to 1.4							
0.8 to 1.0							
0.6 to 0.8		1					1
0.5 to 0.6							
0.4 to 0.5		1					1
0.3 to 0.4		6	1				7
0.2 to 0.3	3	87	16				106
0.1 to 0.2	2	958	138				1098
-0.2 to -0.1	5	942	145				1092
-0.3 to -0.2	1	60	9				70
-0.4 to -0.3		13	1				14
-0.6 to -0.4		2					2
-0.8 to -0.6		1					1
-1.0 to -0.8							
Below -1.0							
Flt Time (Min)	[illegible]	[illegible]	1349.4				7190.5

Altitude: 30 000 feet and Above

Load Factor Delta Nz	Less than 150	150 to 200	200 to 250	250 to 300	300 to 350	350 and above	Total Delta Nz
	Equivalent Airspeed - VE (Knots)						
Above 1.8							
1.4 to 1.8							
1.0 to 1.4							
0.8 to 1.0							
0.6 to 0.8							
0.5 to 0.6							
0.4 to 0.5							
0.3 to 0.4		2					2
0.2 to 0.3		20					20
0.1 to 0.2	14	217	1				232
-0.2 to -0.1	9	229	1				239
-0.3 to -0.2	1	30					31
-0.4 to -0.3		2					2
-0.6 to -0.4		2					2
-0.8 to -0.6							
-1.0 to -0.8							
Below -1.0							
Flt Time (Min)	62.8	907.5	37.2				1007.5

Table 65

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6		1					1
0.4 TO 0.5	2	8	4				14
0.3 TO 0.4	20	39	40	3			102
0.2 TO 0.3	113	239	176	1			529
0.1 TO 0.2	1063	1040	917	13			3033
-0.2 TO -0.1	930	816	767	5			2518
-0.3 TO -0.2	117	157	210	1			485
-0.4 TO -0.3	9	27	42	1			79
-0.6 TO -0.4	2	6	7				15
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	652.7	570.6	336.1	1.9			1561.3

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8			1				1
0.5 TO 0.6			8				8
0.4 TO 0.5	2	10	18				30
0.3 TO 0.4	14	46	61				121
0.2 TO 0.3	114	260	264	1			639
0.1 TO 0.2	583	1259	994	1			2837
-0.2 TO -0.1	536	1142	922				2600
-0.3 TO -0.2	84	139	210				483
-0.4 TO -0.3	4	31	57				92
-0.6 TO -0.4	1	6	18				25
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	233.6	796.9	364.1	3.1			1397.5

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8			1				1
0.5 TO 0.6		2	2	1			5
0.4 TO 0.5	2	1	6				9
0.3 TO 0.4	1	10	23	1			35
0.2 TO 0.3	6	63	89	3			161
0.1 TO 0.2	31	325	400	42			798
-0.2 TO -0.1	33	336	420	26			824
-0.3 TO -0.2	6	93	84	2			144
-0.4 TO -0.3	1	13	18				32
-0.6 TO -0.4		2	9				11
-0.8 TO -0.6		1	1				2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	27.8	953.8	432.1	17.7			1431.4

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1					1
0.5 TO 0.6		1	1				2
0.4 TO 0.5		2	2				4
0.3 TO 0.4		12	6				18
0.2 TO 0.3	1	42	31	1			75
0.1 TO 0.2	3	170	171	16			360
-0.2 TO -0.1	3	222	203	14			442
-0.3 TO -0.2	2	27	19	1			49
-0.4 TO -0.3		13	4				17
-0.6 TO -0.4		4	4				8
-0.8 TO -0.6		1					1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	30.1	1013.5	682.9	26.5			1753.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6		1	2				3
0.4 TO 0.5			6	1			7
0.3 TO 0.4		1	12				13
0.2 TO 0.3		25	23				48
0.1 TO 0.2	4	157	181	9			351
-0.2 TO -0.1	3	148	211	13			367
-0.3 TO -0.2		16	23				39
-0.4 TO -0.3		5	9				14
-0.6 TO -0.4		2	3				5
-0.8 TO -0.6			1				1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	66.6	1340.9	1517.9	12.8			2938.2

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8				1			1
0.5 TO 0.6		2					2
0.4 TO 0.5		3	1				4
0.3 TO 0.4	1	16	7				24
0.2 TO 0.3	4	79	14				97
0.1 TO 0.2	10	927	250	4			1191
-0.2 TO -0.1	6	907	240	4			1157
-0.3 TO -0.2	3	65	28	2			98
-0.4 TO -0.3	1	12	6				19
-0.6 TO -0.4		3	2				5
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	173.3	6775.3	3860.5	2.9			10811.9

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		3					3
0.2 TO 0.3		28	9				37
0.1 TO 0.2	7	512	149				668
-0.2 TO -0.1	5	612	213				830
-0.3 TO -0.2		42	3				45
-0.4 TO -0.3		10					10
-0.6 TO -0.4		2					2
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	119.8	6497.8	1249.4				7864.9

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		1	2				3
0.1 TO 0.2		22	8				30
-0.2 TO -0.1		39	16				55
-0.3 TO -0.2		3	2				5
-0.4 TO -0.3		1					1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	40.5	614.5	6.6				661.6

Table 66

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 105, 000 to 115, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8			1				1
0.5 TO 0.6		2					2
0.4 TO 0.5	2	5					7
0.3 TO 0.4	2	16	9				27
0.2 TO 0.3	51	77	106	2			236
0.1 TO 0.2	234	324	857	10			1425
-0.2 TO +0.1	199	295	707	4			1206
-0.3 TO -0.2	19	54	99	2			174
-0.4 TO -0.3	2	4	8				14
-0.6 TO -0.4		2	1				3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	232.1	193.5	166.1	3.8			552.5

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8			3				3
0.5 TO 0.6			1				1
0.4 TO 0.5	1	5	10				16
0.3 TO 0.4	2	14	26				42
0.2 TO 0.3	24	90	77				191
0.1 TO 0.2	165	332	376	1			874
-0.2 TO -0.1	144	352	306	4			806
-0.3 TO -0.2	10	69	62				141
-0.4 TO -0.3	2	14	13				29
-0.6 TO -0.4		5	12				17
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	80.9	360.5	108.6	4.3			554.3

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		1	2				3
0.3 TO 0.4		4	4	2			10
0.2 TO 0.3	1	15	23	1			40
0.1 TO 0.2	4	117	133	9			263
-0.2 TO -0.1	6	138	139	11			294
-0.3 TO -0.2	1	14	22	1			38
-0.4 TO -0.3			4	1			5
-0.6 TO -0.4		2	2				4
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	15.5	356.7	298.9	19.4			690.5

Altitude: 10 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		2					2
0.3 TO 0.4		2	1				3
0.2 TO 0.3		15	7	1			23
0.1 TO 0.2		74	121	5			200
-0.2 TO -0.1		72	144	4			220
-0.3 TO -0.2		14	6	3			23
-0.4 TO -0.3		4	1				5
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	5.3	667.5	547.0	4.8			1224.6

Altitude: 15 000 to 20 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1					1
0.5 TO 0.6		1					1
0.4 TO 0.5		3					3
0.3 TO 0.4		12					12
0.2 TO 0.3		26	4				30
0.1 TO 0.2		119	33				152
-0.2 TO -0.1		124	22				146
-0.3 TO -0.2		29	1				30
-0.4 TO -0.3		10					10
-0.6 TO -0.4		6					6
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	56.7	1149.6	793.9	3.8			1946.9

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8			2				2
0.5 TO 0.6		1					1
0.4 TO 0.5	1	3	5				9
0.3 TO 0.4	2	2	2				11
0.2 TO 0.3	7	33	10				50
0.1 TO 0.2	21	150	22				202
-0.2 TO -0.1	132	1455	213				1800
-0.3 TO -0.2	105	1224	209				1538
-0.4 TO -0.3	17	157	28				202
-0.6 TO -0.4	7	23	5				35
-0.8 TO -0.6	3	6	6				15
-1.0 TO -0.8	4	3	2				9
BELOW -1.0			1				1
FLT TIME (MIN)	132.2	5466.6	2991.3	0.2			8490.3

Altitude: 25, 000 to 30 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		4	1				5
0.3 TO 0.4		16	2				18
0.2 TO 0.3		70	2				72
0.1 TO 0.2		497	42				539
-0.2 TO -0.1		445	32				477
-0.3 TO -0.2		45	5				50
-0.4 TO -0.3		17					17
-0.6 TO -0.4		4	2				6
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	26.8	4079.6	129.6				4236.0

Altitude: 30 000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		7					7
0.1 TO 0.2		33					38
-0.2 TO -0.1		24					24
-0.3 TO -0.2		2					2
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	6.0	125.6	17.0				148.6

Table 67

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.0							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5	1	1	6				8
0.3 TO 0.4	1	9	23				33
0.2 TO 0.3	6	53	131				190
0.1 TO 0.2	95	365	862				1322
-0.2 TO -0.1	70	244	804				1120
-0.3 TO -0.2	9	36	127				174
-0.4 TO -0.3		2	9				11
-0.6 TO -0.4			1				1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	113.7	164.8	115.2				393.7

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.0							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5		2	2				4
0.3 TO 0.4		5	14				19
0.2 TO 0.3	4	43	61				108
0.1 TO 0.2	17	249	269	3			538
-0.2 TO -0.1	10	238	272	2			522
-0.3 TO -0.2	2	32	51	1			86
-0.4 TO -0.3		3	4				7
-0.6 TO -0.4		2	1				3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	19.3	302.2	90.0	0.7			412.2

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.0							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6		2					2
0.4 TO 0.5		4					4
0.3 TO 0.4		4	1				5
0.2 TO 0.3		30	10				40
0.1 TO 0.2	2	125	31				158
-0.2 TO -0.1	3	142	27				172
-0.3 TO -0.2		25	5				30
-0.4 TO -0.3		8	1				9
-0.6 TO -0.4		1					1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	9.8	517.9	153.0	23.7			703.4

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.0							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		2	1				3
0.2 TO 0.3		8	1				9
0.1 TO 0.2		60	22				82
-0.2 TO -0.1		63	9				72
-0.3 TO -0.2		8	1				9
-0.4 TO -0.3		1					1
-0.6 TO -0.4		1					1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	10.5	160.5	90.7	6.4			684.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.0							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4							
0.2 TO 0.3			4	2			6
0.1 TO 0.2	7	23	15				45
-0.2 TO -0.1	10	30	16				56
-0.3 TO -0.2	1	2	1				4
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	20.0	654.0	234.1				914.9

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.0							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4			1				1
0.2 TO 0.3		27	12				39
0.1 TO 0.2	5	265	103				373
-0.2 TO -0.1	13	234	98				345
-0.3 TO -0.2	1	32	12				45
-0.4 TO -0.3		4	1				5
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	67.2	2256.5	357.1				2680.8

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.0							
1.1 TO 1.4							
0.6 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		2					2
0.1 TO 0.2		49					49
-0.2 TO -0.1		73	1				74
-0.3 TO -0.2		4					4
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	18.0	911.1	22.0				951.1

Table 68

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	1						1
0.1 TO 0.2	1						1
-0.2 TO -0.1	1						1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1.8	0.4					2.2

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			1				1
0.2 TO 0.3		2	3				5
0.1 TO 0.2	14	7	7				28
-0.2 TO -0.1	5	7	8				20
-0.3 TO -0.2		1	1				2
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	7.5	8.2	9.5				25.2

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		1	2				3
0.1 TO 0.2		6					6
-0.2 TO -0.1		7	2				9
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		4.7	0.9				5.6

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		1					1
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		5.3					5.3

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		0.0					0.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		10.0					10.0

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		10.0					10.0

Table 69

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: Below 75, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		2					2
0.5 TO 0.6	1	1					2
0.4 TO 0.5	1	8	4				13
0.3 TO 0.4	11	19	1				31
0.2 TO 0.3	63	51	3				117
0.1 TO 0.2	312	142	10				464
-0.2 TO -0.1	296	133	12				441
-0.3 TO -0.2	44	36	2				82
-0.4 TO -0.3	8	7					15
-0.6 TO -0.4	1	4					5
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	109.4	60.9	1.5				171.8

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3	2	6					8
0.1 TO 0.2	71	40	8				119
-0.2 TO -0.1	56	40	6				102
-0.3 TO -0.2	3	6					9
-0.4 TO -0.3		1					1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	29.0	37.0	11.4				77.4

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			1				1
0.2 TO 0.3			2				2
0.1 TO 0.2			11	1			12
-0.2 TO -0.1			12	1			13
-0.3 TO -0.2			1				1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		0.0	10.6	0.4			11.0

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			1				1
0.2 TO 0.3			1				1
0.1 TO 0.2			6				6
-0.2 TO -0.1			10				10
-0.3 TO -0.2							
-0.4 TO -0.3			2				2
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		0.7	7.8				8.5

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		3					3
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.0	10.3	6.5				17.5

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		2					2
-0.2 TO -0.1		1					1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		69.4	12.9				82.3

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1		6					6
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		8.3					8.3

Altitude: 30, 000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		6.8					6.8

NO ENTRIES

Table 70

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1	7	7			15
0.5 TO 0.6	1	9	17	7			34
0.4 TO 0.5	17	53	85	15			170
0.3 TO 0.4	117	184	270	34			605
0.2 TO 0.3	649	712	778	45			2184
0.1 TO 0.2	3204	2351	2024	24			7503
-0.2 TO -0.1	3106	2087	1687	36			6916
-0.3 TO -0.2	498	471	595	37			1601
-0.4 TO -0.3	76	81	172	21			350
-0.6 TO -0.4	6	30	60	10			106
-0.8 TO -0.6			3	8			11
-1.0 TO -0.8		-	1				1
BELOW -1.0							
FLT TIME (MIN)	1449.7	987.2	390.6	4.6	-	-	2840.2

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0		1		1			2
0.6 TO 0.8		1	4	1			6
0.5 TO 0.6		13	13				26
0.4 TO 0.5	19	31	48	1			82
0.3 TO 0.4	51	144	240	2			439
0.2 TO 0.3	331	682	807	5			1825
0.1 TO 0.2	1760	2548	2506	5			7027
-0.2 TO -0.1	1462	2366	2378	8			6736
-0.3 TO -0.2	358	603	676	2			1637
-0.4 TO -0.3	43	123	179	2			347
-0.6 TO -0.4	6	32	46	1			85
-0.8 TO -0.6		1	3				4
-1.0 TO -0.8	1						1
BELOW -1.0							
FLT TIME (MIN)	662.2	925.1	568.6	1.0			2156.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8							
0.5 TO 0.6	-	3					3
0.4 TO 0.5	1	5	3				9
0.3 TO 0.4		19	13				32
0.2 TO 0.3	1	69	43	3			116
0.1 TO 0.2	11	245	241	15			512
-0.2 TO -0.1	13	223	197	3			436
-0.3 TO -0.2	1	54	25	1			81
-0.4 TO -0.3		14	7				21
-0.6 TO -0.4		4	1				5
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	14.9	222.1	207.1	2.0		-	446.1

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5							
0.3 TO 0.4		1	6				7
0.2 TO 0.3		18	46	1			65
-0.2 TO -0.1	1	26	53	8			88
-0.3 TO -0.2		2	6				8
-0.4 TO -0.3			3				3
-0.6 TO -0.4			1				1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	9.1	117.7	145.9	2.4			275.2

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4				1			1
0.2 TO 0.3			3				3
0.1 TO 0.2	1	22	31				54
-0.2 TO -0.1		18	33				51
-0.3 TO -0.2		5	2				7
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	12.9	270.0	154.4	1.5			438.8

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4		2					2
0.2 TO 0.3	1	13	1				15
0.1 TO 0.2	1	124	17				142
-0.2 TO -0.1	1	159	9				169
-0.3 TO -0.2		9	3				12
-0.4 TO -0.3		1					1
-0.6 TO -0.4		1					1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	37.2	1230.6	404.8				1672.5

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3		5					5
0.1 TO 0.2		71	6				77
-0.2 TO -0.1		253	3				256
-0.3 TO -0.2		17	1				18
-0.4 TO -0.3		2					2
-0.6 TO -0.4		1					1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	7.9	526.1	138.1				672.1

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		2					2
-0.2 TO -0.1		4					4
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	24.0	214.0					238.0

Table 71

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.6 TO 1.0							
0.6 TO 0.8	4	2	11	1			18
0.5 TO 0.6	2	2	67	1			72
0.4 TO 0.5	29	32	222	2			281
0.3 TO 0.4	166	202	934	11			1253
0.2 TO 0.3	782	963	3308	23			5080
0.1 TO 0.2	4699	4750	10592	37			20087
-0.2 TO -0.1	4691	4479	9868	46			19084
-0.3 TO -0.2	634	809	2857	25			4325
-0.4 TO -0.3	78	132	828	7			1037
-0.6 TO -0.4	10	32	251	3			296
-0.8 TO -0.6			8				8
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2262.2	1799.4	1962.9	6.9			5927.8

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4			1				1
0.6 TO 1.0							
0.6 TO 0.8	1	2	11				14
0.5 TO 0.6	1	13	46	1			61
0.4 TO 0.5	11	52	171	3			237
0.3 TO 0.4	65	296	849	27			1237
0.2 TO 0.3	413	1309	2481	98			4301
0.1 TO 0.2	2630	5016	7864	275			15635
-0.2 TO -0.1	2564	4627	7859	231			15657
-0.3 TO -0.2	412	1202	2409	84			4107
-0.4 TO -0.3	68	266	614	14			962
-0.6 TO -0.4	7	65	194	3			274
-0.8 TO -0.6		3	6				9
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1235.1	1970.9	1560.4	65.7			4827.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		2					2
0.5 TO 0.6		6	7				13
0.4 TO 0.5	2	17	14	1			34
0.3 TO 0.4	19	62	99				180
0.2 TO 0.3	51	235	173	4			463
0.1 TO 0.2	148	727	650	7			1532
-0.2 TO -0.1	164	727	603	3			1497
-0.3 TO -0.2	29	298	163	5			535
-0.4 TO -0.3	26	91	57				174
-0.6 TO -0.4	5	33	9	1			48
-0.8 TO -0.6		5	2				9
-1.0 TO -0.8							
BELOW -1.0			-				
FLT TIME (MIN)	220.2	905.9	737.0	8.7			1951.8

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			2	5			7
0.2 TO 0.3			7	32			39
0.1 TO 0.2	2	53	212				267
-0.2 TO -0.1	3	117	321				441
-0.3 TO -0.2	1	16	30				47
-0.4 TO -0.3		1	1				2
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	46.0	652.9	833.0	9.8			1532.9

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8			1				1
0.5 TO 0.6							
0.4 TO 0.5			2				2
0.3 TO 0.4			2				2
0.2 TO 0.3		8	17				25
0.1 TO 0.2	3	88	136	1			228
-0.2 TO -0.1		97	120	1			218
-0.3 TO -0.2		6	16	1			23
-0.4 TO -0.3			9				9
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	74.3	1118.9	418.0	2.7			1613.9

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4	1	2					3
0.2 TO 0.3		19	5				24
0.1 TO 0.2	4	161	119				284
-0.2 TO -0.1	11	297	110				329
-0.3 TO -0.2	2	18	4				24
-0.4 TO -0.3			2				2
-0.6 TO -0.4		1					1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	74.1	3575.6	1147.0	9.0			4797.7

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		2					2
0.2 TO 0.3		17					17
0.1 TO 0.2	6	245	10				261
-0.2 TO -0.1	8	246	3				257
-0.3 TO -0.2		23					23
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	38.2	1122.1	51.2				1211.5

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.9 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	5	1					6
0.1 TO 0.2	45	10					55
-0.2 TO -0.1	21	12					33
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	258.0	300.9	54.0				613.0

Table 72

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 95,000 to 105,000 lb.

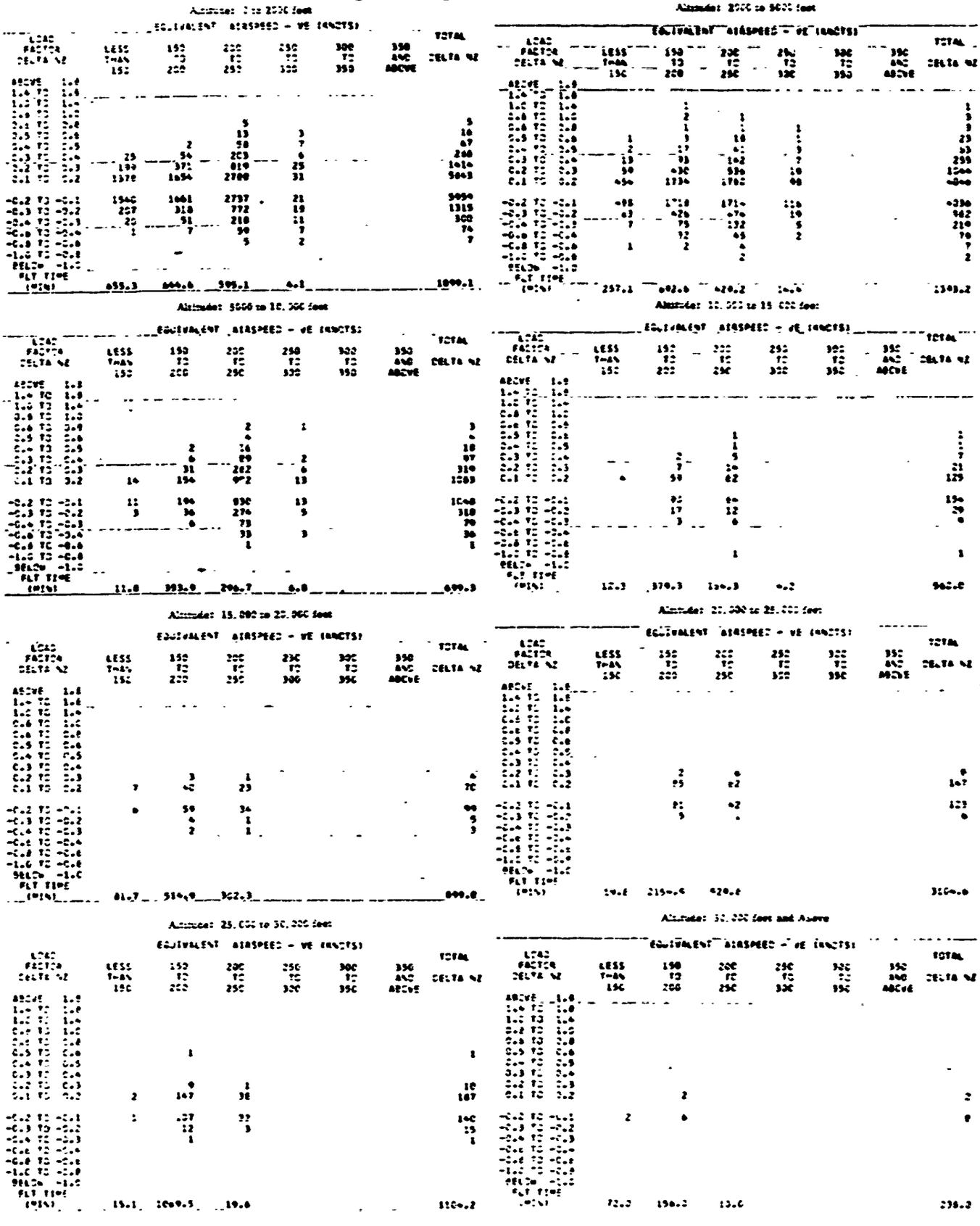


Table 73

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 105, 000 to 115, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5	2	5	7				14
0.3 TO 0.4	9	27	37	2			75
0.2 TO 0.3	112	161	207	2			482
0.1 TO 0.2	900	963	850	13			2714
-0.2 TO -0.1	1082	998	818	14			2824
-0.3 TO -0.2	93	151	149	4			303
-0.4 TO -0.3	13	17	21				51
-0.6 TO -0.4		2	6				8
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	466.1	630.0	312.0	6.5			1220.7

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			2	2			4
0.3 TO 0.4	6	10	16	1			33
0.2 TO 0.3	48	97	69	18			232
0.1 TO 0.2	413	662	308	24			1399
-0.2 TO -0.1	462	758	206	27			1451
-0.3 TO -0.2	37	37	47	14			135
-0.4 TO -0.3	3	15	8	2			28
-0.6 TO -0.4			3				3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	225.4	306.8	147.2	3.4			772.8

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5				1			1
0.3 TO 0.4			4				4
0.2 TO 0.3			8				8
0.1 TO 0.2		22	16				38
-0.2 TO -0.1	1	23	22				46
-0.3 TO -0.2		2	4				6
-0.4 TO -0.3		1	2				3
-0.6 TO -0.4			1				1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	9.9	133.1	27.9	3.3			180.9

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		2					2
0.2 TO 0.3		5					5
0.1 TO 0.2		24	2	4			30
-0.2 TO -0.1		25	2	1			28
-0.3 TO -0.2		2					2
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	10.1	125.8	43.6	5.2			184.8

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		2					2
0.2 TO 0.3		5	2				7
0.1 TO 0.2		26	15				41
-0.2 TO -0.1		34	13				47
-0.3 TO -0.2		6					6
-0.4 TO -0.3							
-0.6 TO -0.4		1					1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	47.0	187.6	152.5	8.8			396.0

Altitude: 20, 000 to 25, 000 feet

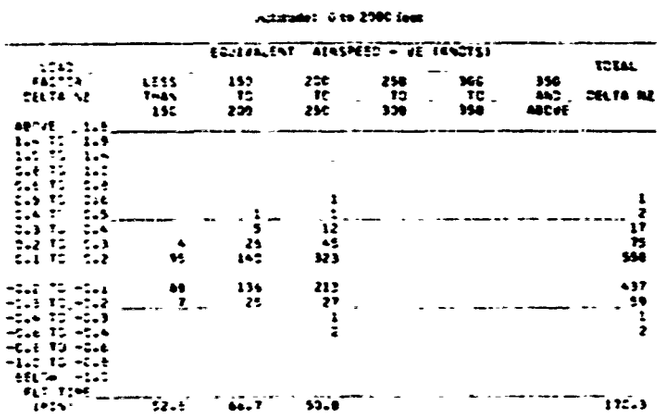
LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4		1					1
0.2 TO 0.3			9				9
0.1 TO 0.2		28	49				127
-0.2 TO -0.1		27	95				122
-0.3 TO -0.2		2	14				16
-0.4 TO -0.3			2				2
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	5.3	881.0	324.5				1210.8

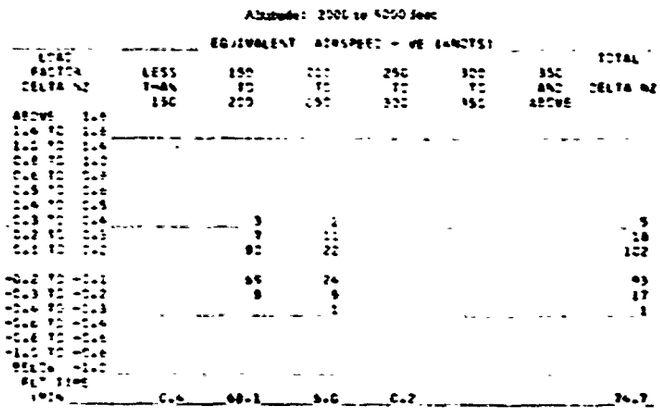
Altitude: 25, 000 to 30, 000 feet

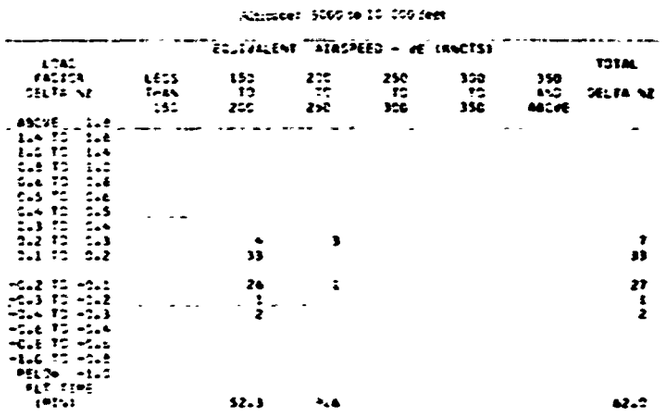
LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		6					6
-0.2 TO -0.1		2					2
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.5	149.5					150.0

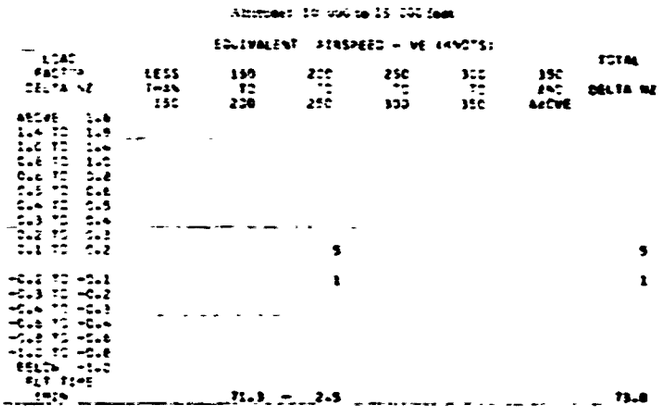
Table 74

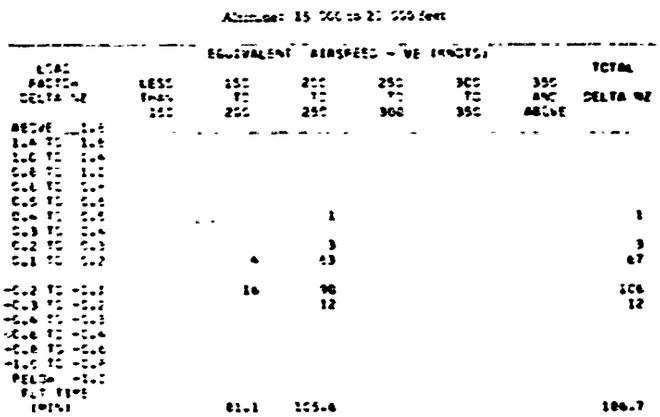
C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 115, 000 to 125, 000 lb.

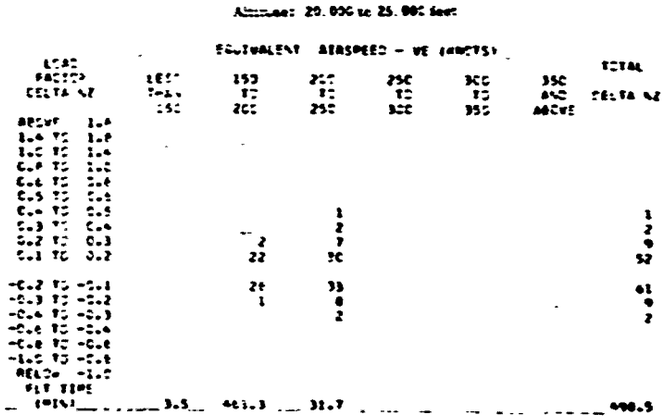


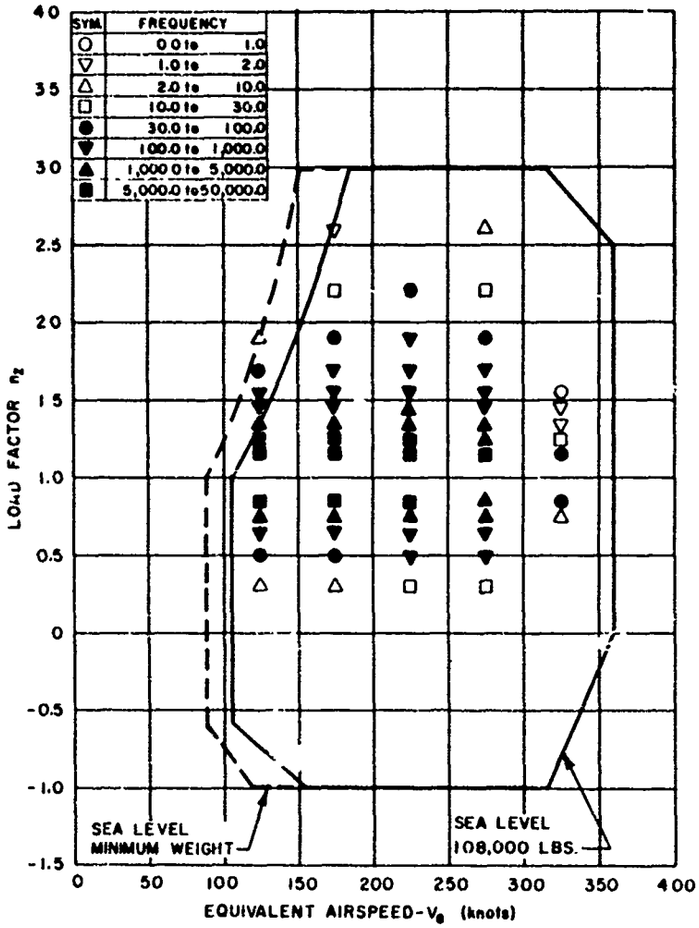












Flight Time: 3388.3 hr. No. of Flights: 1891

MANEUVER LOAD FACTOR (n_z)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL NO. n_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
2.38 ABOVE							
2.4 TO 2.8		1.76		2.19			3.89
2.0 TO 2.4		15.60	45.01	14.41			75.02
1.8 TO 2.0	2.47	39.96	129.25	45.54			217.22
1.6 TO 1.8	46.19	189.60	598.97	267.76			1,102.42
1.5 TO 1.6	129.92	395.36	825.54	471.48	0.62		1,822.92
1.4 TO 1.5	517.23	926.54	1,804.31	990.77	1.29		4,240.15
1.3 TO 1.4	2,098.98	3,132.86	4,254.67	2,152.42	1.32		11,640.25
1.2 TO 1.3	8,421.52	9,444.60	9,801.44	4,983.53	10.40		32,661.49
1.1 TO 1.2	29,553.74	28,934.51	25,255.51	7,914.42	62.83		91,320.93
0.8 TO 0.9	10,318.38	16,107.00	12,710.50	4,475.24	30.05		43,642.49
0.7 TO 0.8	2,317.39	3,017.05	2,990.37	1,620.84	9.85		9,958.60
0.6 TO 0.7	250.50	484.05	850.46	481.11			2,021.19
0.4 TO 0.6	65.47	86.60	248.00	123.35			523.42
0.2 TO 0.4	3.86	8.54	16.12	10.78			39.34
0.0 TO 0.2							
BELOW 0.0							

Figure 23. C-130B — Diagram and Tabulation of Maneuver Load Factors versus Equivalent Airspeed — Weighted Composite for All Missions and Bases

Table 75

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Weighted Composite for All Missions

INCREMENTAL GUST LOAD FACTOR (Δn_z)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL NO. Δn_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
1.8 & ABOVE							
1.4 TO 1.8							
1.0 TO 1.4		3.53	7.76	10.11			21.40
0.8 TO 1.0		14.35	56.50	93.84			164.69
0.6 TO 0.8	8.11	88.53	668.75	746.44			1,511.83
0.5 TO 0.6	37.07	265.27	1,825.79	2,134.91	1.29		4,264.33
0.4 TO 0.5	193.15	1,127.22	7,262.78	6,944.72	7.55		15,535.42
0.3 TO 0.4	1,276.97	4,636.23	25,542.23	22,444.28	32.23		53,931.94
0.2 TO 0.3	8,617.33	21,216.12	84,684.16	67,525.95	89.41		182,132.97
0.1 TO 0.2	16,497.36	83,820.63	220,335.08	156,692.04	269.14		507,614.25
-0.2 TO -0.1	43,004.74	81,736.06	214,161.21	151,350.44	258.18		490,510.63
-0.3 TO -0.2	6,382.19	18,401.24	75,079.84	51,889.02	53.26		101,796.55
-0.4 TO -0.3	784.78	3,746.33	21,779.31	19,923.40	17.62		46,251.44
-0.6 TO -0.4	105.96	1,020.94	7,368.39	7,505.93	4.02		16,005.29
-0.8 TO -0.6	2.00	46.85	342.16	595.09			1,186.10
-1.0 TO -0.8		5.29	43.77	57.46			106.52
BELOW -1.0		1.29	4.23	5.24			10.82

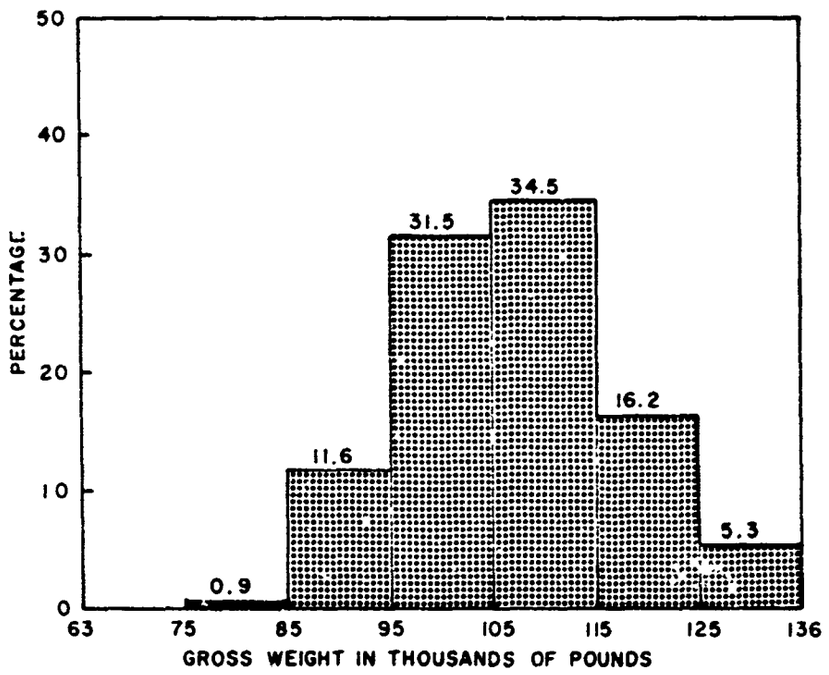


Figure 24. C-130B — Percentages of Total Flight Time Spent in Selected Gross Weight Ranges — Composite of All Missions

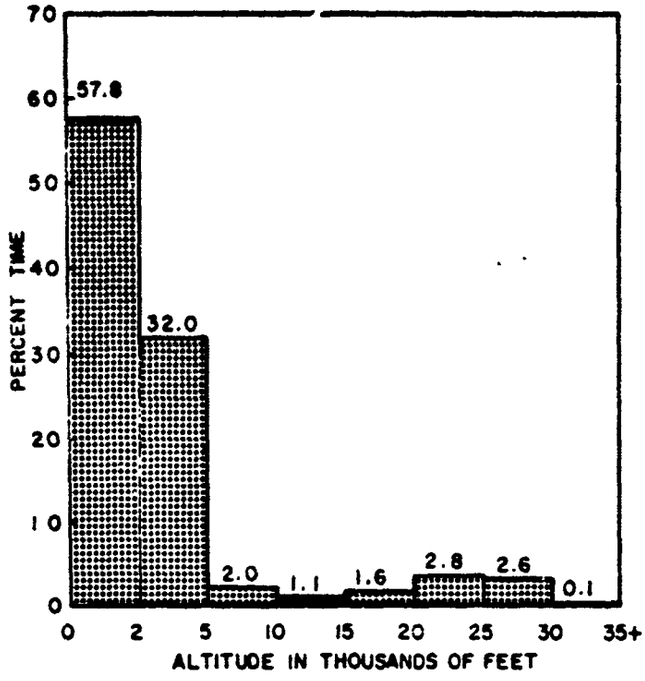


Figure 25

C-130B — Percentages of Total Flight Time Spent at Selected Altitudes — Mission I (Airdrop)

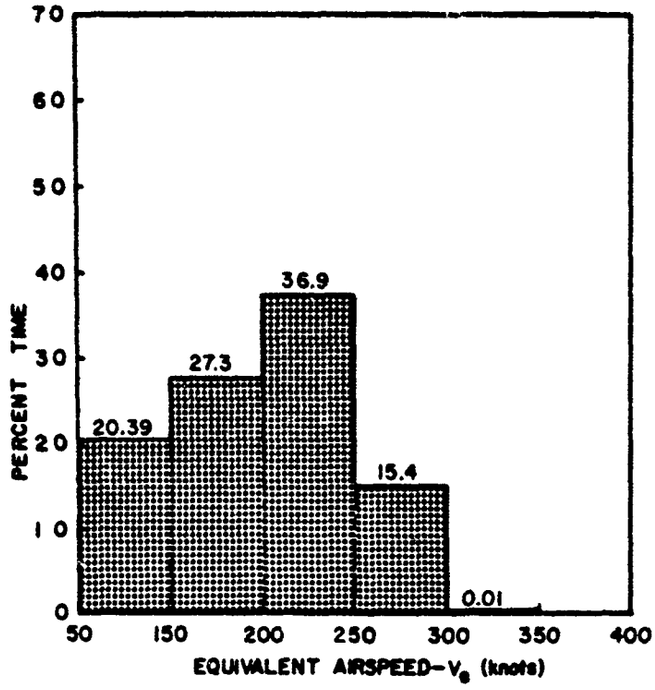


Figure 26

C-130B — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission I (Airdrop)

Table 76

C-130B — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission I (Airdrop)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED-V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	5,057.4	4,172.4	6,641.6	4,350.0	0.6		20,222.0
2,000- 5,000	2,034.2	4,275.6	3,948.5	954.3	1.5		11,214.0
5,000- 10,000	5.3	328.7	327.8	47.9			709.7
10,000- 15,000	8.9	160.4	178.2	45.3			392.8
15,000-20,000	8.6	135.7	423.5	2.0			569.8
20,000-25,000	7.7	151.9	821.7				981.2
25,000-30,000	7.3	320.0	590.4				917.7
30,000& ABOVE		20.7					20.7
TOTAL TIME (MIN.)	7,129.3	9,565.3	12,931.6	5,399.5	2.1		35,027.9

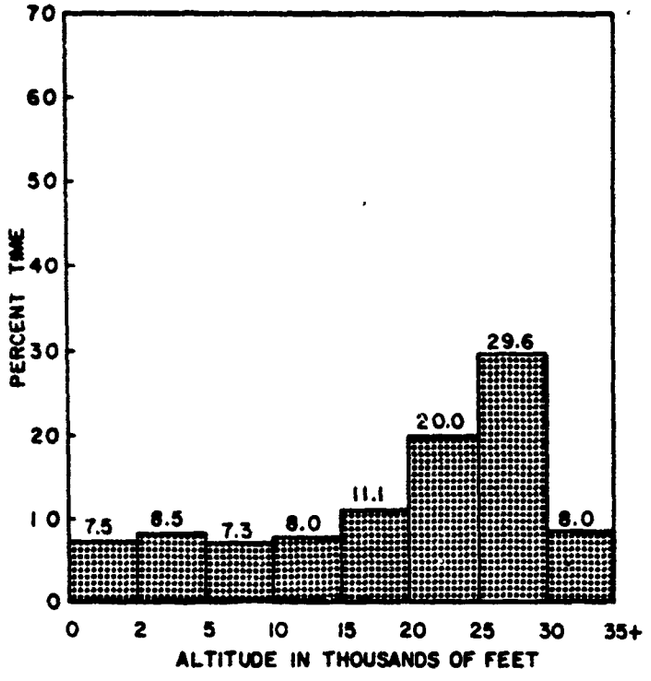


Figure 27

C-130B — Percentages of Total Flight Time Spent at Selected Altitudes — Mission II (Logistics and Cross Country)

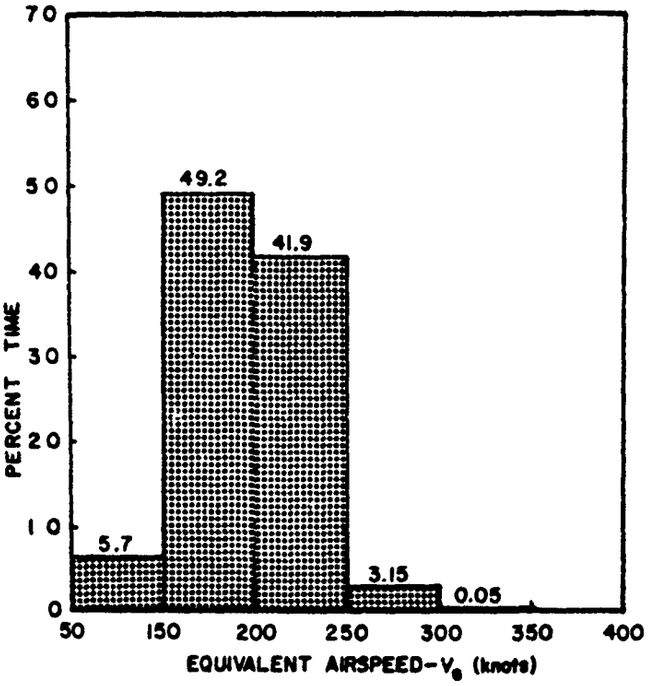


Figure 28

C-130B — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission II (Logistics and Cross Country)

Table 77

C-130B — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission II (Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED-V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	3,775.6	2,673.7	2,816.6	912.9	8.6		10,187.4
2,000- 5,000	2,032.0	4,706.9	3,961.0	914.1	2.4		11,616.4
5,000- 10,000	199.1	4,486.4	4,317.1	879.2	53.8		9,935.6
10,000- 15,000	113.1	4,397.8	5,412.1	874.6	9.7		10,807.3
15,000-20,000	218.5	4,543.8	9,733.4	507.1			15,002.3
20,000-25,000	327.3	9,382.4	17,189.2	185.6			27,084.5
25,000-30,000	309.3	28,676.3	11,132.0	1.6			40,119.2
30,000 & ABOVE	714.1	7,932.9	2,276.1				10,923.1
TOTAL TIME (MIN)	7,688.8	66,800.4	56,837.5	4,275.1	74.5		135,676.3

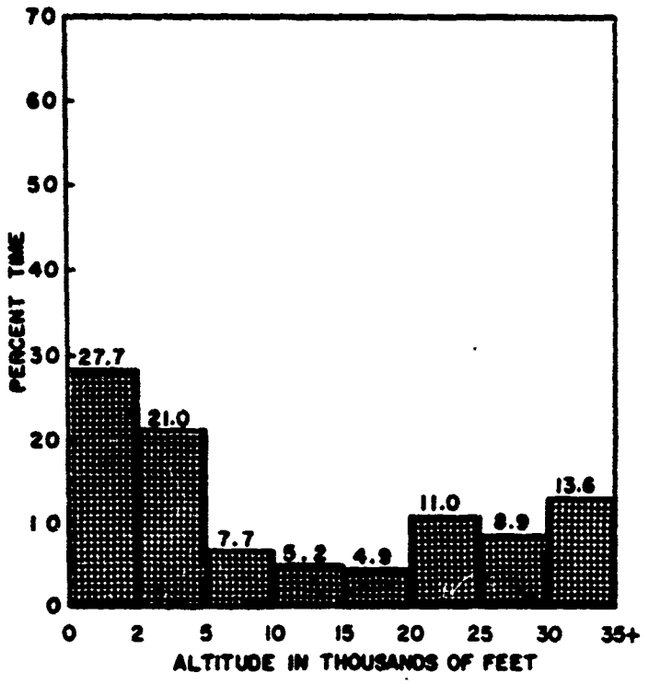


Figure 29

C-130B — Percentages of Total Flight Time Spent at Selected Altitudes — Mission III (Training)

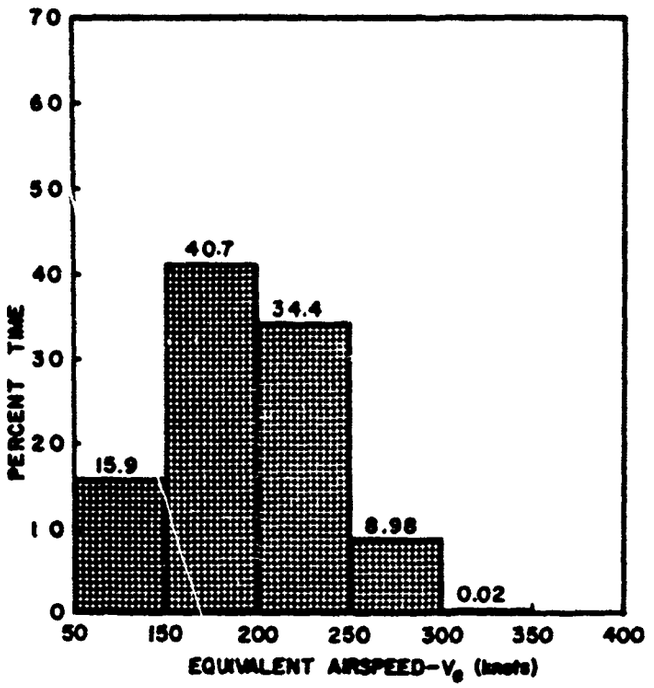


Figure 30

C-130B — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission III (Training)

Table 78

C-130B — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED-V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	2,813.0	2,099.1	2,735.7	1,390.0			9,037.7
2,000- 5,000	1,260.1	2,065.4	2,720.5	792.7	4.8		6,843.4
5,000- 10,000	30.5	725.5	1,316.2	432.5	1.0		2,505.7
10,000- 15,000	26.4	689.9	782.3	202.2			1,700.7
15,000-20,000	81.9	686.6	715.4	94.2			1,578.0
20,000-25,000	99.6	1,289.9	2,196.7	7.3			3,593.5
25,000-30,000	47.6	2,266.8	592.3				2,906.7
30,000 & ABOVE	836.4	3,435.1	164.5				4,436.0
TOTAL TIME (MIN.)	5,195.4	13,258.2	11,223.5	2,918.8	5.8		32,621.8

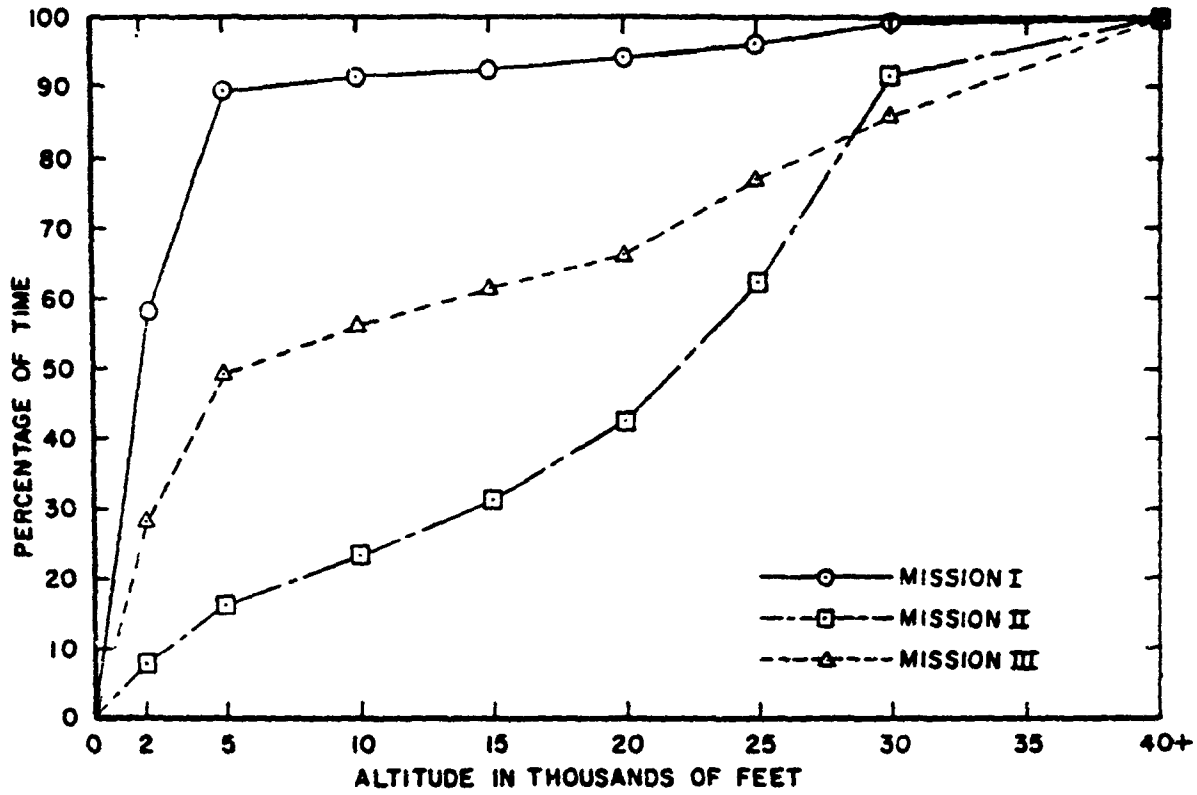


Figure 31. C-130B — Percentages of Total Flight Time Spent Below Given Altitudes for Each Mission Type

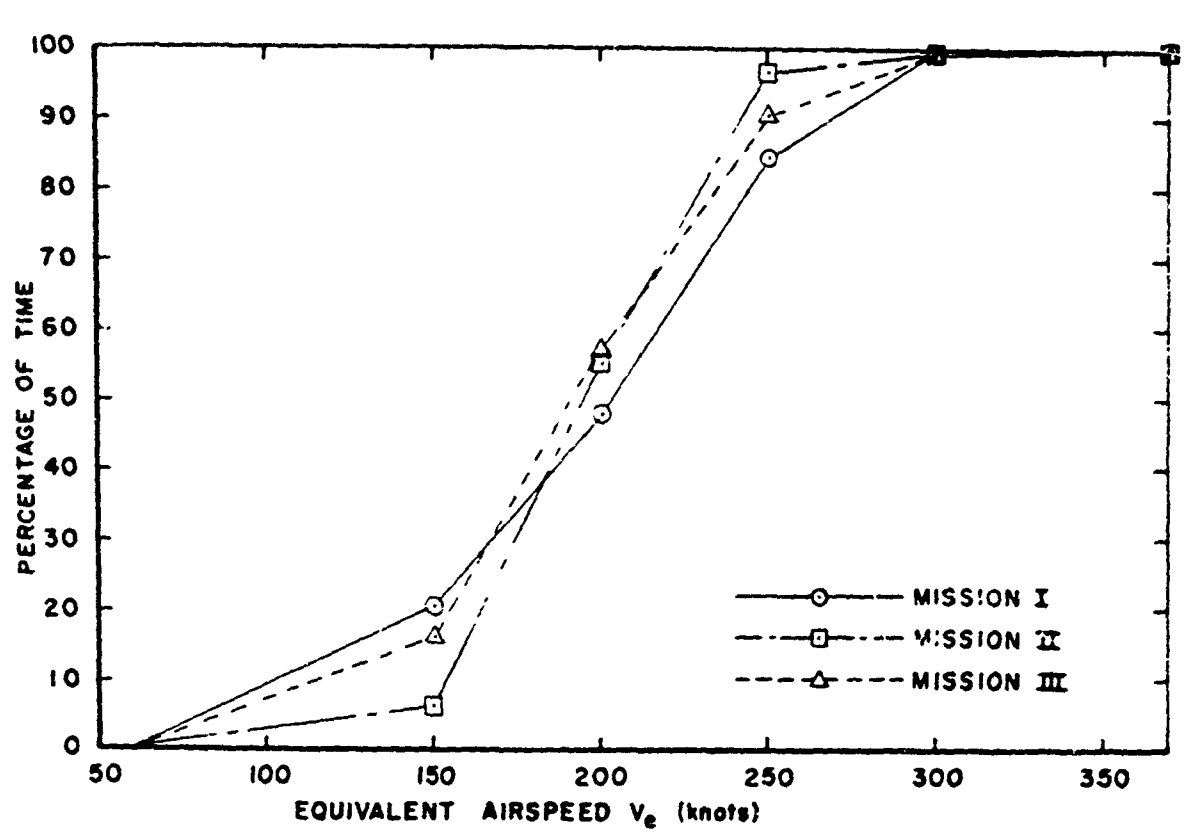


Figure 32. C-130B — Percentages of Total Flight Time Spent Below Given Airspeeds for Each Mission Type

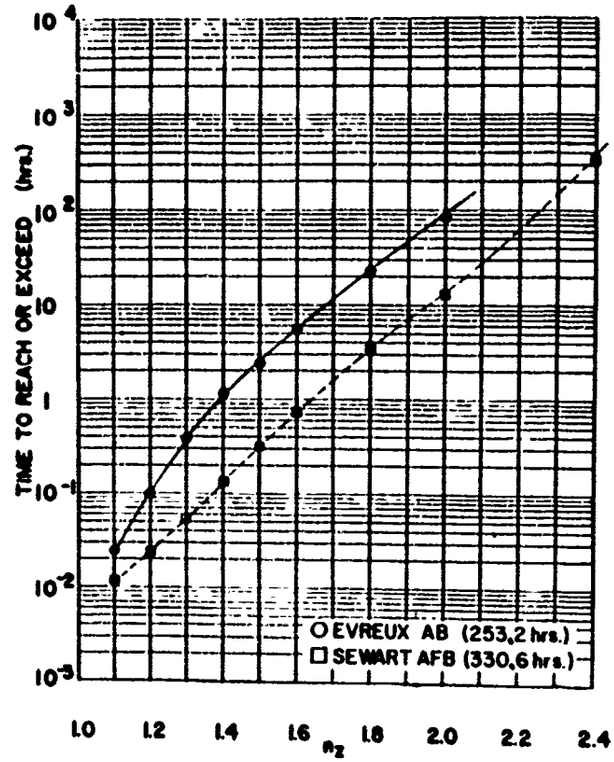


Figure 33. C-130B — Maneuver Load Factor Exceedance Curves for Each Air Base — Mission I (Airdrop)

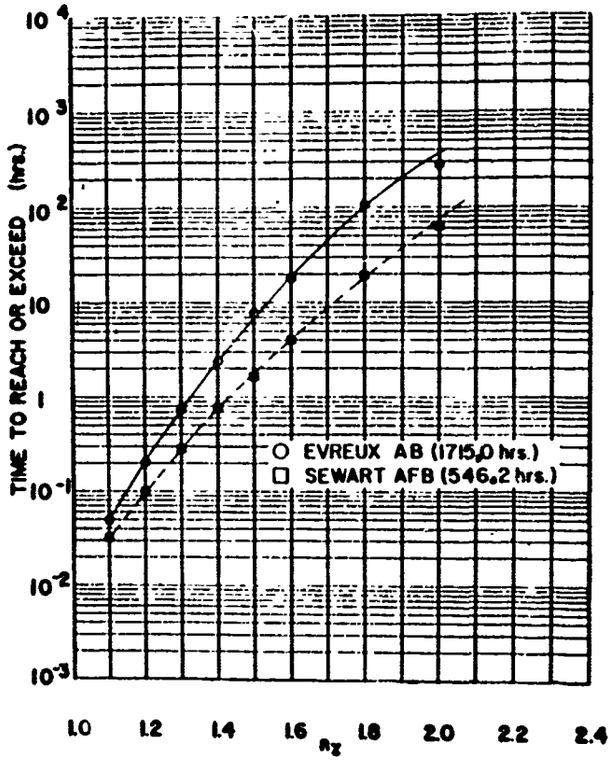


Figure 34

C-130B — Maneuver Load Factor Exceedance Curves for Each Air Base — Mission II (Logistics and Cross Country)

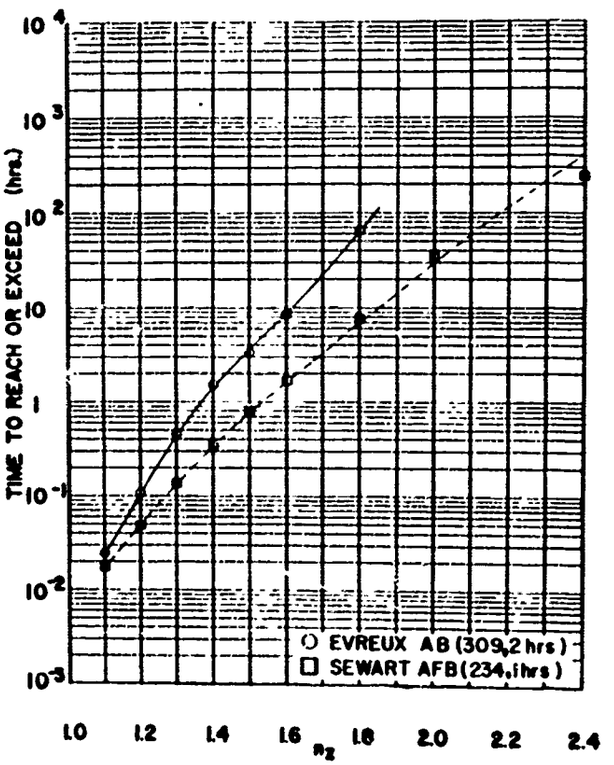
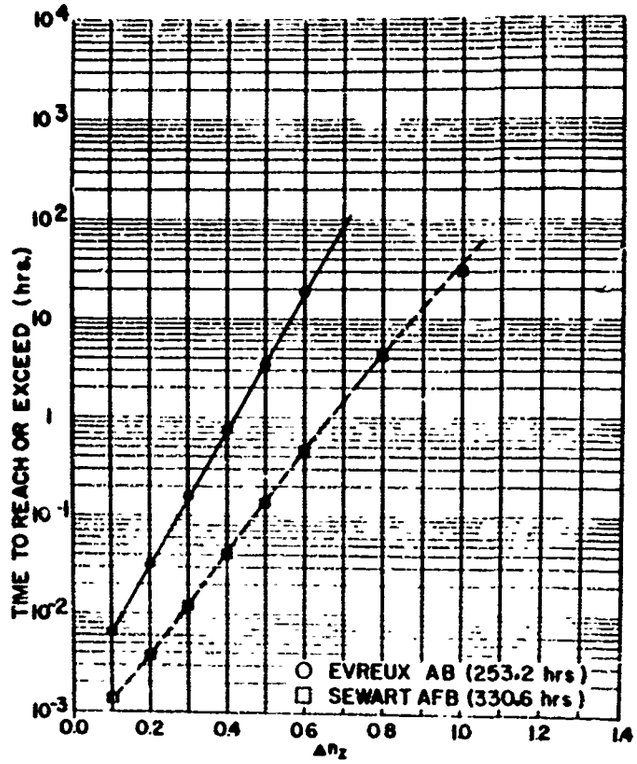


Figure 35. C-130B — Maneuver Load Factor Exceedance Curves for Each Air Base — Mission III (Training)

Figure 36. C-130B — Incremental Gust Load Factor Exceedance Curves for Each Air Base — Mission I (Airdrop)



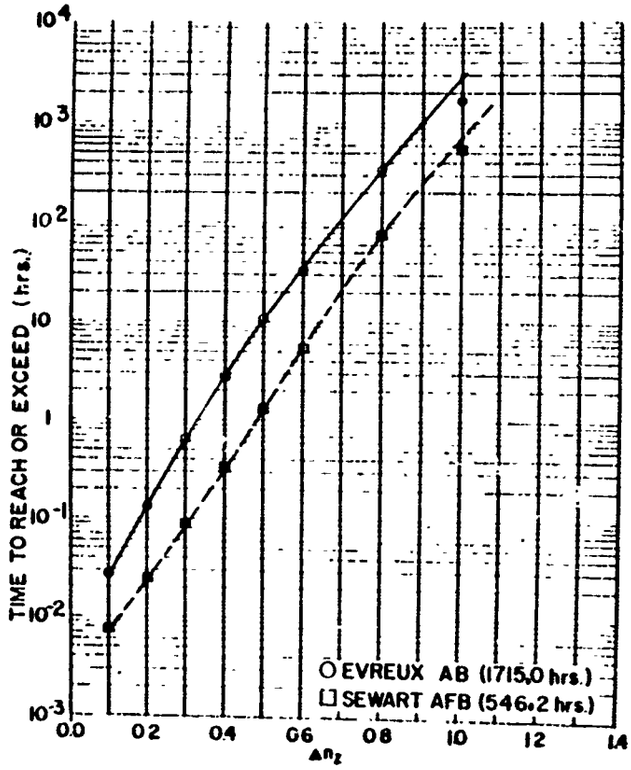


Figure 37

C-130B — Incremental Gust Load Factor Exceedance Curves for Each Air Base — Mission II (Logistics and Cross Country)

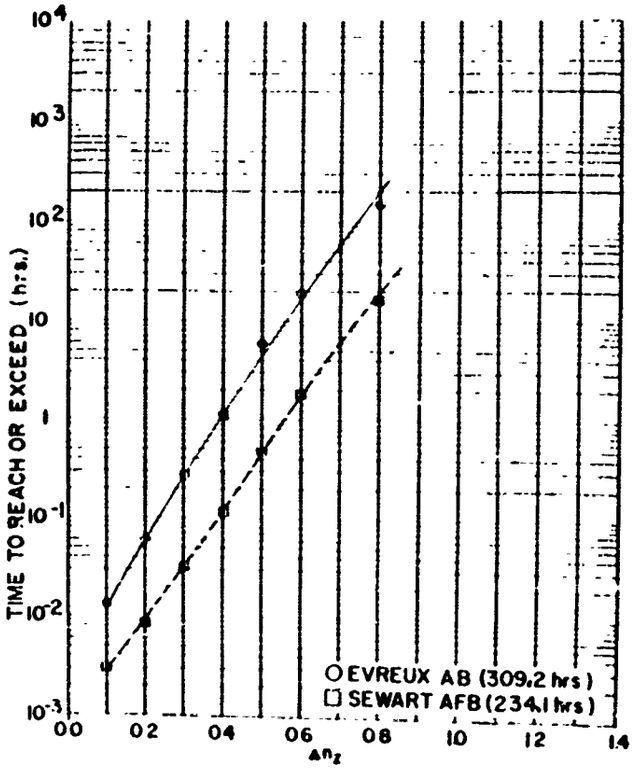


Figure 38. C-130B — Incremental Gust Load Factor Exceedance Curves for Each Air Base — Mission III (Training)

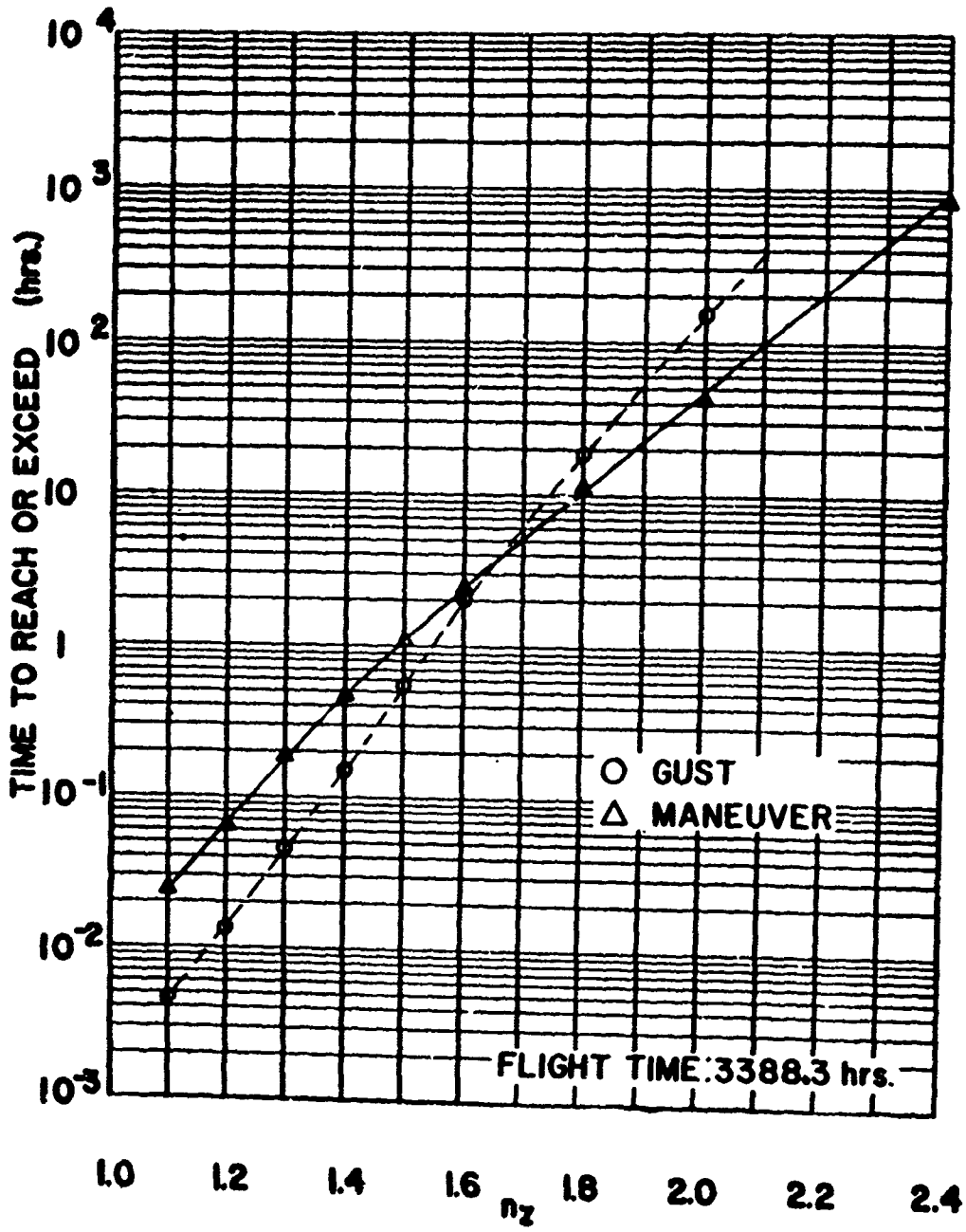


Figure 39. C-130B — Maneuver and Gust Load Factor Exceedance Curves — Weighted Composites of All Missions and Bases

Table 79

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Evreux Air Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			2	1			3
1.8 TO 2.0		2	4	2			8
1.6 TO 1.8	1	14	19	1			35
1.5 TO 1.6	7	24	22	5			58
1.4 TO 1.5	24	40	49	2			115
1.3 TO 1.4	121	180	110	9			420
1.2 TO 1.3	694	761	386	38			1879
1.1 TO 1.2	3157	3136	1594	76	1		7964
0.8 TO 0.9	1470	1588	779	47			3884
0.7 TO 0.8	166	226	134	10			536
0.6 TO 0.7	27	43	38	5			113
0.4 TO 0.6	4	5	8				17
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	3865.4	6210.4	4891.6	221.1	1.5		15190.0

No. of Flights: 123

Table 80

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Sewart Air Force Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8		1					
2.0 TO 2.4		5	17	3			1
1.8 TO 2.0	1	14	39	16			25
1.6 TO 1.8	8	42	298	100			70
1.5 TO 1.6	22	75	284	184			358
1.4 TO 1.5	118	219	632	386			565
1.3 TO 1.4	548	585	1398	916			1355
1.2 TO 1.3	1909	1697	2917	1822			3447
1.1 TO 1.2	5091	3216	4308	2374			8345
0.8 TO 0.9	2926	1697	2111	1484			14989
0.7 TO 0.8	458	539	818	660			8218
0.6 TO 0.7	50	114	277	179			2475
0.4 TO 0.6	12	16	86	42			620
0.2 TO 0.4	1	3	6	1			156
0.0 TO 0.2							11
BELOW 0.0							
FLT TIME (MIN)	3263.9	3355.0	8040.1	5178.4	0.6		19837.9

No. of Flights: 222

Table 81

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Evreux Air Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			5	1			6
1.8 TO 2.0	1	2	7				10
1.6 TO 1.8	8	23	35	13			79
1.5 TO 1.6	8	47	55	17			127
1.4 TO 1.5	82	200	171	43			496
1.3 TO 1.4	273	751	496	87	1		1608
1.2 TO 1.3	1428	2651	1735	286			6100
1.1 TO 1.2	7250	9538	9097	984	1		26870
0.8 TO 0.9	3668	5464	4208	414			13754
0.7 TO 0.8	442	741	494	31			1708
0.6 TO 0.7	42	99	91	6			238
0.4 TO 0.6	11	17	21	1			50
0.2 TO 0.4		1	1				2
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5572.1	50827.8	44228.2	2276.4	0.3		102904.9

No. of Flights: 930

Table 82

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Sewart Air Force Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		2	6	1			9
1.8 TO 2.0		2	13	4			19
1.6 TO 1.8	1	24	68	17			110
1.5 TO 1.6	8	49	96	35			188
1.4 TO 1.5	36	113	178	65	1		395
1.3 TO 1.4	169	439	481	143			1232
1.2 TO 1.3	702	1365	1118	320	5		3510
1.1 TO 1.2	3166	4487	3618	802	41		12114
0.8 TO 0.9	1739	2482	2014	438	20		6693
0.7 TO 0.8	230	406	331	77	6		1050
0.6 TO 0.7	32	58	76	20			186
0.4 TO 0.6	3	12	21	9			45
0.2 TO 0.4		2	1				3
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2116.6	15972.5	12609.2	1998.1	74.2		32771.2

No. of Flights: 344

Table 83

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission III (Training) — Evreux Air Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0		2	3				5
1.6 TO 1.8	2	7	22	1			32
1.5 TO 1.6	7	16	27	6	1		57
1.4 TO 1.5	27	41	35	7			110
1.3 TO 1.4	124	164	165	30	1		484
1.2 TO 1.3	609	766	673	140	3		2191
1.1 TO 1.2	2835	3570	2883	404	3		9695
0.8 TO 0.9	1607	2103	1649	221	1		5581
0.7 TO 0.8	189	260	270	40			759
0.6 TO 0.7	17	24	40	5			86
0.4 TO 0.6		6	6	2			14
0.2 TO 0.4			1	1			2
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2865.4	8614.1	6228.9	843.1	2.6		18554.1

No. of Flights: 132

Table 84

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission III (Training) — Sewart Air Force Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4				1			1
1.8 TO 2.0		2	1	3			6
1.6 TO 1.8		4	16	5			25
1.5 TO 1.6	11	25	43	28			107
1.4 TO 1.5	31	51	51	39			172
1.3 TO 1.4	79	93	132	76			380
1.2 TO 1.3	260	360	298	126			1044
1.1 TO 1.2	1046	1059	599	351	1		3056
	3352	2702	1662	803	3		8522
0.8 TO 0.9	1967	1648	841	393	2		4851
0.7 TO 0.8	309	322	236	144	1		1012
0.6 TO 0.7	28	42	47	61			178
0.4 TO 0.6	14	11	21	17			63
0.2 TO 0.4	1		1	4			6
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2330.1	4644.1	4994.6	2075.7	3.2		14047.7

No. of Flights: 140

Table 85

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Evreux Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8	1	5	8				14
0.5 TO 0.6	2	7	48	5			62
0.4 TO 0.5	12	53	178	18			261
0.3 TO 0.4	79	341	788	61	1		1270
0.2 TO 0.3	794	2099	3390	216	4		6503
0.1 TO 0.2	6056	12432	12864	812	16		32180
-0.2 TO -0.1	5763	12825	12368	754	8		31718
-0.3 TO -0.2	632	2120	3269	226	6		6253
-0.4 TO -0.3	59	332	762	52	2		1207
-0.6 TO -0.4	11	62	226	19	1		319
-0.8 TO -0.6			11	2			13
-1.0 TO -0.8			1				1
BELOW -1.0							
FLT TIME (MIN)	3865.4	6210.4	4891.6	221.1	1.5		15190.0

Table 86

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Newart Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4		2	4	5			11
0.8 TO 1.0		7	22	41			70
0.6 TO 0.8	3	31	266	324			624
0.5 TO 0.6	8	81	685	891			1665
0.4 TO 0.5	47	362	2560	2770	1		5740
0.3 TO 0.4	346	1206	8767	8448	1		18768
0.2 TO 0.3	2184	4995	27898	24932	6		60015
0.1 TO 0.2	10170	15438	63459	56266	9		145342
-0.2 TO -0.1	9200	15019	60561	53743	10		138533
-0.3 TO -0.2	1605	4535	24049	22472	4		52665
-0.4 TO -0.3	200	1046	7511	7477	1		16235
-0.6 TO -0.4	26	325	2714	3015			6080
-0.8 TO -0.6		19	213	258			490
-1.0 TO -0.8		3	22	29			54
BELOW -1.0			2	3			5
FLT TIME (MIN)	3263.9	3355.0	8040.1	5178.4	0.6		19837.9

Table 87

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Evreux Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8			1				1
1.4 TO 1.8		1	2	1			4
1.0 TO 1.4	1	14	27	6			48
0.8 TO 1.0	6	30	57	15			108
0.6 TO 0.8	25	140	266	24			455
0.5 TO 0.6	167	666	1100	140			2073
0.4 TO 0.5	1248	3126	4760	564			9698
0.3 TO 0.4	7892	17634	23011	2466			51003
0.2 TO 0.3	6791	15907	21287	2262			46247
0.1 TO 0.2	870	2340	4085	445			7740
-0.2 TO -0.1	103	395	891	96			1485
-0.3 TO -0.4	19	98	276	33			426
-0.4 TO -0.6	1	7	19	5			32
-0.6 TO -0.8			5				5
-0.8 TO -1.0			1				1
BELOW -1.0							
FLT TIME (MIN)	5572.1	50827.8	44228.2	2276.4	0.3		102904.9

Table 88

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Sewart Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4				1			1
0.8 TO 1.0		1	4	1			6
0.6 TO 0.8	1	4	46	38			89
0.5 TO 0.6	3	20	162	113	1		299
0.4 TO 0.5	18	81	728	437	4		1268
0.3 TO 0.4	80	375	2652	1578	22		4707
0.2 TO 0.3	653	2087	8909	4816	54		16519
0.1 TO 0.2	3907	10140	26155	11395	152		51749
-0.2 TO -0.1	3636	10055	26706	11537	146		52080
-0.3 TO -0.2	487	1822	8296	4612	27		15244
-0.4 TO -0.3	62	296	2125	1359	11		3853
-0.6 TO -0.4	11	76	597	417	2		1103
-0.8 TO -0.6	1		41	20			62
-1.0 TO -0.8							
BELOW -1.0		1					1
FLT TIME (MIN)	2116.6	15972.5	12609.2	1998.7	74.2		32771.7

Table 89

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission III (Training) — Evreux Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1	1			2
0.6 TO 0.8			12	3			15
0.5 TO 0.6	1	4	22	9			36
0.4 TO 0.5	8	21	141	45	1		216
0.3 TO 0.4	42	127	532	166	2		869
0.2 TO 0.3	420	675	2194	585	6		3880
0.1 TO 0.2	2832	3921	8752	1925	20		17450
-0.2 TO -0.1	2912	4066	8862	1891	26		17757
-0.3 TO -0.2	363	622	1967	499	7		3458
-0.4 TO -0.3	51	102	449	143			745
-0.6 TO -0.4	4	18	132	53	1		208
-0.8 TO -0.6			8	3			11
-1.0 TO -0.8			1				1
BELOW -1.0							
FLT TIME (MIN)	2865.4	8614.1	6228.9	843.1	2.6		18554.1

Table 90

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission III (Training) — Sewart Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			5	9			14
0.6 TO 0.8		7	51	57			115
0.5 TO 0.6	6	32	150	189			377
0.4 TO 0.5	26	109	660	683			1478
0.3 TO 0.4	169	570	2334	2501			5574
0.2 TO 0.3	1015	2556	7845	7804	1		19221
0.1 TO 0.2	5350	8783	20211	18632	15		52991
-0.2 TO -0.1	5129	8578	20107	18174	14		52002
-0.3 TO -0.2	746	2036	7218	7373	1		17374
-0.4 TO -0.3	95	431	2026	2276			4828
-0.6 TO -0.4	10	104	642	751			1507
-0.8 TO -0.6		4	41	51			96
-1.0 TO -0.8				3			3
BELOW -1.0							
FLT TIME (MIN)	2330.1	4644.1	4994.6	2075.7	3.2		14047.7

Table 91

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8			1				2
1.5 TO	1.6		2	2				4
1.4 TO	1.5	2	1	5				8
1.3 TO	1.4	6	5	7				18
1.2 TO	1.3	30	22	14	4			70
1.1 TO	1.2	108	62	4	6			180
0.8 TO	0.9	80	49	5	2			136
0.7 TO	0.8	11	6	2				19
0.6 TO	0.7	2	1		1			4
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		84.0	56.4	22.6	12.4			175.5

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5		1		2			3
1.3 TO	1.4		1	2	7			10
1.2 TO	1.3		5	4	8			17
1.1 TO	1.2	4	36	31	7			78
0.8 TO	0.9	4	10	22	9			45
0.7 TO	0.8			6	4			10
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		6.9	23.7	42.4	18.8			96.4

Altitude: 30,000 feet and Above

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5							
1.3 TO	1.4							
1.2 TO	1.3							
1.1 TO	1.2		1					1
0.8 TO	0.9							
0.7 TO	0.8							
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)			117.7					117.7

Table 92

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			4	1			5
1.8 TO 2.0		3	3	2			8
1.6 TO 1.8	2	11	26	8			47
1.5 TO 1.6	5	9	21	16			51
1.4 TO 1.5	22	37	42	19			120
1.3 TO 1.4	128	89	101	58			376
1.2 TO 1.3	400	226	168	142			936
1.1 TO 1.2	1031	530	265	214			2040
0.8 TO 0.9	553	249	154	197			1153
0.7 TO 0.8	65	41	90	112			278
0.6 TO 0.7	11	1	18	27			63
0.4 TO 0.6	1		2	7			10
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	959.9	785.2	721.2	476.8	0.8		2949.8

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0			2				2
1.6 TO 1.8			2	8	1		11
1.5 TO 1.6	1		8	4	4		17
1.4 TO 1.5	3		7	11	3		24
1.3 TO 1.4	11	29	28	11			79
1.2 TO 1.3	79	110	76	41			306
1.1 TO 1.2	323	499	309	123			1254
0.8 TO 0.9	152	288	156	42			638
0.7 TO 0.8	23	38	31	13			105
0.6 TO 0.7	3	11	21	3			38
0.4 TO 0.6	1	4	4	1			10
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	477.4	919.7	665.7	168.1			2170.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6			1				1
1.4 TO 1.5			5				5
1.3 TO 1.4		2	2				4
1.2 TO 1.3		5	8	1			14
1.1 TO 1.2		21	37	1			59
0.8 TO 0.9		13	21	4			38
0.7 TO 0.8		2	8				10
0.6 TO 0.7			2				2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		33.9	79.4	9.1			113.9

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			2				2
1.2 TO 1.3		1	12				13
1.1 TO 1.2		7	68	2			77
0.8 TO 0.9		5	37	2			44
0.7 TO 0.8		1	5				6
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		11.3	115.1	17.0			143.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0			1				1
1.6 TO 1.8			3				3
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			2				2
1.2 TO 1.3			6				6
1.1 TO 1.2		1	37				38
0.8 TO 0.9	1	1	51				53
0.7 TO 0.8			3				3
0.6 TO 0.7			1				1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.9	2.8	57.4				63.9

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			4				4
0.8 TO 0.9			7				7
0.7 TO 0.8			1				1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		3.3	64.6				67.9

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1	1				2
0.8 TO 0.9			3				3
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		31.0	90.0				121.0

Table 93

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8			1				1
2.4 TO 2.6			5	10	1		16
2.2 TO 2.4		1	6	21	13		41
2.0 TO 2.2		2	23	95	24		144
1.8 TO 2.0		9	25	117	57		208
1.6 TO 1.8		30	76	271	160		537
1.4 TO 1.6		223	220	535	313		1291
1.2 TO 1.4		871	672	963	520		3006
1.0 TO 1.2		2681	1370	1160	586		5797
0.8 TO 0.9		1355	684	562	376		2977
0.7 TO 0.8		162	183	249	170		761
0.6 TO 0.7		16	37	93	42		178
0.4 TO 0.6		8	8	29	6		52
0.2 TO 0.4				4			4
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		2140.3	1621.0	2638.3	1341.0		7740.6

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6				2	1		3
2.2 TO 2.4			2	6	1		9
2.0 TO 2.2			2	14	2		18
1.8 TO 2.0		1	13	15	1		30
1.6 TO 1.8		7	29	21	3		60
1.4 TO 1.6		28	73	62	13		176
1.2 TO 1.4		165	290	248	38		741
1.0 TO 1.2		639	962	718	76		2395
0.8 TO 0.9		295	463	330	58		1146
0.7 TO 0.8		53	111	62	8		234
0.6 TO 0.7		7	22	23	4		56
0.4 TO 0.6			4	2			6
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		852.1	1713.1	1565.8	258.7		4389.6

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8				1			1
1.4 TO 1.6				1			1
1.2 TO 1.4			4	6			10
1.0 TO 1.2			8	19	3		30
0.8 TO 1.0			66	58	6		130
0.6 TO 0.9			64	31	3		98
0.7 TO 0.8			3	6			9
0.6 TO 0.7		1		1			2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		3.5	202.7	109.3	11.0		327.6

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.4 TO 1.6				1			1
1.2 TO 1.4			1				1
1.0 TO 1.2		4	1				5
0.8 TO 1.0		14	12	1			27
0.6 TO 0.9		7	6				13
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		26.0	24.2	4.5			92.8

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4			1	4			5
1.0 TO 1.2			6	44	1		51
0.8 TO 0.9				20			20
0.7 TO 0.8			1	3			4
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		5.7	19.0	148.7	1.5		216.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4			3	8			11
1.0 TO 1.2		2	7	27			36
0.8 TO 0.9		3	8	8			19
0.7 TO 0.8		1	2	3			6
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		5.7	33.7	184.8			224.2

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.4 TO 1.6			1				1
1.2 TO 1.4			2	7			9
1.0 TO 1.2			2	4			6
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)			37.0	233.1			270.1

Table 94

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			2				2
1.8 TO 2.0		1	4	1			6
1.6 TO 1.8	1	7	61	44			113
1.5 TO 1.6	9	23	111	75			218
1.4 TO 1.5	65	63	247	159			514
1.3 TO 1.4	198	109	522	381			1310
1.2 TO 1.3	761	513	1072	733			3179
1.1 TO 1.2	2323	1173	1354	880			5730
0.8 TO 0.9	1258	605	521	570			2954
0.7 TO 0.8	221	195	251	241			908
0.6 TO 0.7	27	42	94	66			219
0.4 TO 0.6	6	3	30	14			53
0.2 TO 0.4		1	1	1			3
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1516.3	4213.3	2610.0	1949.7			7129.1

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0		1					1
1.6 TO 1.8	1	6	3	1			11
1.5 TO 1.6	3	5		4			12
1.4 TO 1.5	5	17	9	7			38
1.3 TO 1.4	22	48	48	16			134
1.2 TO 1.3	105	207	235	86			633
1.1 TO 1.2	427	786	805	137			2155
0.8 TO 0.9	232	339	460	74			1105
0.7 TO 0.8	38	80	96	22			236
0.6 TO 0.7	6	29	27	14			76
0.4 TO 0.6		1	5	3			9
0.2 TO 0.4	1	1	1				3
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	565.3	1334.5	1951.4	265.9			3517.6

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1		1			2
1.2 TO 1.3		9	7				23
1.1 TO 1.2	3	28	41	8			91
0.8 TO 0.9	2	24	11	9			65
0.7 TO 0.8			3	1			4
0.6 TO 0.7			2				2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1.8	48.2	119.9	13.2			183.9

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		6					6
1.2 TO 1.3		18	1	3			22
1.1 TO 1.2							
0.8 TO 0.9		12	3				15
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		83.1	4.9	3.8			91.8

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		3	2				5
1.1 TO 1.2		3	6	1			10
0.8 TO 0.9		7	3				10
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		38.0	130.7	0.4			170.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1					1
1.1 TO 1.2		10	14				24
0.8 TO 0.9		14	7				21
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		35.5	286.1				321.6

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			2				2
0.8 TO 0.9		5					5
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		15.9	134.1				150.0

Table 95

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2500 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4				1			1
1.8 TO 2.0			1	4	1		10
1.6 TO 1.8	3	4	13	18			38
1.5 TO 1.6	1	14	29	28			72
1.4 TO 1.5	8	28	56	50			144
1.3 TO 1.4	50	75	147	119			391
1.2 TO 1.3	167	217	372	242			998
1.1 TO 1.2	613	483	592	297			1922
0.9 TO 1.1	396	269	253	136			1052
0.7 TO 0.9	45	72	121	84			326
0.6 TO 0.7	4	4	49	25			82
0.4 TO 0.6	2		16	7			27
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	345.4	465.0	429.8	514.2			2178.4

Altitude: 2500 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8				4	3		6
1.5 TO 1.6				5	4		9
1.4 TO 1.5				10	2		12
1.3 TO 1.4	2	5	30	2			44
1.2 TO 1.3	18	30	91	21			150
1.1 TO 1.2	77	142	215	64	1		439
0.9 TO 1.1	54	92	103	29			278
0.7 TO 0.9	5	15	43	5			68
0.6 TO 0.7		3	4				7
0.4 TO 0.6			2	2			4
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	132.5	268.5	365.1	219.7	1.5		987.4

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8				1			1
1.5 TO 1.6							
1.4 TO 1.5				1			1
1.3 TO 1.4		1	1	3			5
1.2 TO 1.3		10	1	6			17
1.1 TO 1.2		15	6	14			36
0.9 TO 1.1		9	3	15			27
0.7 TO 0.9		2		2			4
0.6 TO 0.7				2			2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		44.3	13.0	12.5			69.8

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		2	1	1			4
1.2 TO 1.3	2						2
1.1 TO 1.2	2	5	11	4			22
0.9 TO 1.1	1	4	7	2			14
0.7 TO 0.9				1			1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.5	22.0	14.0	10.0			69.8

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1	8				9
1.1 TO 1.2		15	38				53
0.9 TO 1.1		11	17				28
0.7 TO 0.9			2				2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		50.7	45.7				105.4

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		3	3				6
1.1 TO 1.2		25	13				38
0.9 TO 1.1		22	8				30
0.7 TO 0.9		1	2				3
0.6 TO 0.7							
0.4 TO 0.6			2				2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.0	60.3	241.2				303.6

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			4				4
1.1 TO 1.2		1	32				33
0.9 TO 1.1			18				18
0.7 TO 0.9			3				3
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		41.8	132.0				174.8

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.9 TO 1.1		1					1
0.7 TO 0.9							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		20.7					20.7

Table 96

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			1				1
1.3 TO 1.4	1		1				2
1.2 TO 1.3	5	10	4	4			23
1.1 TO 1.2	17	25	13	10			65
0.8 TO 0.9	9	2	10	3			24
0.7 TO 0.8		2	1				3
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	11.4	11.4	10.9	12.9			56.6

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5				1			1
1.3 TO 1.4			1				1
1.2 TO 1.3		1	2	2			5
1.1 TO 1.2		4	11	8			23
0.8 TO 0.9		6	2	1			9
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		16.0	13.1	23.1			52.2

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		2		2			4
1.1 TO 1.2		7	8	1			16
0.8 TO 0.9		6	6				12
0.7 TO 0.8		1	1	2			4
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		10.5	8.9	1.0			23.9

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		15.0					15.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	NO ENTRIES						
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		16.0					16.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		2					2
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		18.0	45.0				63.0

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			1				1
1.2 TO 1.3		17	7				24
0.8 TO 0.9		13	1				14
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	7.3	24.6	12.1				44.0

Table 97

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5	2	2					4
1.3 TO 1.4	3	2	1				6
1.2 TO 1.3	24	8	2				34
1.1 TO 1.2	116	15	7				138
0.8 TO 0.9	50	11	4				65
0.7 TO 0.8	5	1					6
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	45.5	12.0	4.2				61.7

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6	1		2	1			4
1.4 TO 1.5			2	1			3
1.3 TO 1.4	7	5	3				15
1.2 TO 1.3	14	14	8	2			40
1.1 TO 1.2	71	109	36	2			218
0.8 TO 0.9	24	36	7				67
0.7 TO 0.8	4	5	3				12
0.6 TO 0.7	1	1					2
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	35.7	74.8	30.5	2.5			143.5

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			2				2
1.5 TO 1.6		1	2				3
1.4 TO 1.5		1	2				3
1.3 TO 1.4		7	3				10
1.2 TO 1.3		10	15				25
1.1 TO 1.2		22	36	2			60
0.8 TO 0.9		14	17	1			32
0.7 TO 0.8		6	2				8
0.6 TO 0.7	1	1	1				3
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.1	76.5	43.8	2.7			125.1

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1	5	1			7
1.1 TO 1.2		5	9	6			20
0.8 TO 0.9		8	8	2			18
0.7 TO 0.8		2	3				5
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		10.0	32.7	10.4			53.1

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			1	1			2
1.2 TO 1.3			1				1
1.1 TO 1.2		2	10				12
0.8 TO 0.9			20				20
0.7 TO 0.8			1				1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		7.9	113.0	4.1			124.9

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			2				2
1.1 TO 1.2		5	44				49
0.8 TO 0.9		4	13	1			18
0.7 TO 0.8							
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		15.7	147.1	0.9			163.7

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5		2					2
1.3 TO 1.4							
1.2 TO 1.3		4	2				6
1.1 TO 1.2		17	6				23
0.8 TO 0.9		9	7				16
0.7 TO 0.8		2	1				3
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		98.5	72.8				171.3

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		2					2
0.8 TO 0.9		1	1				2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		16.8	1.4				18.2

Table 99

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country)

— Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			2	1			3
1.8 TO 2.0		1	5	1			7
1.6 TO 1.8	4	7	26	11			48
1.5 TO 1.6	5	20	19	18			62
1.4 TO 1.5	32	49	54	22			157
1.3 TO 1.4	138	237	116	39			530
1.2 TO 1.3	567	579	221	62	2		1431
1.1 TO 1.2	2484	1034	317	74	1		3910
0.8 TO 0.9	1236	444	125	42	1		1848
0.7 TO 0.8	173	96	31	14			314
0.6 TO 0.7	20	17	18	5			60
0.4 TO 0.6	4	5	6	5			20
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1375.4	906.7	1085.1	400.9	5.2		3673.4

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			4				4
1.6 TO 1.8		10	10	3			23
1.5 TO 1.6	1	13	19	4			34
1.4 TO 1.5	10	43	36	12			101
1.3 TO 1.4	30	132	114	24			300
1.2 TO 1.3	160	453	288	37			938
1.1 TO 1.2	715	1272	674	103			2764
0.8 TO 0.9	377	617	360	48			1402
0.7 TO 0.8	55	130	91	10			286
0.6 TO 0.7	8	31	20	2			61
0.4 TO 0.6		4	7	1			12
0.2 TO 0.4		2					2
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	650.2	1284.0	1209.2	247.7	1.8		3392.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		1					1
1.4 TO 1.5	1	7	9	10			27
1.3 TO 1.4	3	19	47	12			81
1.2 TO 1.3	14	98	154	58			324
1.1 TO 1.2	33	377	698	180	4		1292
0.8 TO 0.9	20	290	435	88	1		834
0.7 TO 0.8	3	55	53	8	1		120
0.6 TO 0.7		6	12				18
0.4 TO 0.6			4				4
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	43.2	840.1	1336.1	314.3	1.6		2533.4

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			1				1
1.6 TO 1.8			2				2
1.5 TO 1.6		1	3				4
1.4 TO 1.5		3	4	1			8
1.3 TO 1.4	3	9	20	5	1		38
1.2 TO 1.3	1	46	73	25			145
1.1 TO 1.2	10	192	535	97	1		825
0.8 TO 0.9	7	115	357	53			532
0.7 TO 0.8		12	20	5			37
0.6 TO 0.7			2				2
0.4 TO 0.6			1	1			2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	22.5	784.7	1401.4	209.6	0.3		2418.6

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			3				3
1.5 TO 1.6							
1.4 TO 1.5			5	3			8
1.3 TO 1.4		5	6	1			12
1.2 TO 1.3		14	56	10			80
1.1 TO 1.2	5	133	425	46			609
0.8 TO 0.9	7	127	227	15			376
0.7 TO 0.8		11	20	1			32
0.6 TO 0.7	1		1				2
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	32.3	775.9	2191.8	163.5			3163.6

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		1	1				2
1.5 TO 1.6		3	1				4
1.4 TO 1.5		3	2				5
1.3 TO 1.4		6	6				12
1.2 TO 1.3	4	69	47	1			121
1.1 TO 1.2	3	530	708	7			1248
0.8 TO 0.9	7	345	325	3			680
0.7 TO 0.8	2	26	14				42
0.6 TO 0.7		1	6				7
0.4 TO 0.6			1				1
0.2 TO 0.4		1					1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	40.3	2019.6	4531.1	77.5			6663.5

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5	2	4					6
1.3 TO 1.4	1	4	1				6
1.2 TO 1.3		43	12				55
1.1 TO 1.2	5	381	257	1			644
0.8 TO 0.9	8	240	120				368
0.7 TO 0.8	1	23	6				30
0.6 TO 0.7		6	1				7
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	34.2	8074.4	3578.4	1.0			11688.0

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5	1	1					2
1.3 TO 1.4	1						1
1.2 TO 1.3	7	5	6				18
1.1 TO 1.2	16	114	70				200
0.8 TO 0.9	6	75	48				129
0.7 TO 0.8		6					6
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	308.2	2297.0	627.0				3232.2

Table 100

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1	2			3
1.8 TO 2.0				3	1		4
1.6 TO 1.8	3	10	25	2			40
1.5 TO 1.6	3	28	29	7			59
1.4 TO 1.5	24	59	69	15	1		168
1.3 TO 1.4	86	241	179	31			537
1.2 TO 1.3	453	668	296	75	1		1485
1.1 TO 1.2	2566	1371	491	98	1		4527
0.8 TO 0.9	1330	664	176	52			2230
0.7 TO 0.8	153	139	47	5			344
0.6 TO 0.7	16	13	11	3			43
0.4 TO 0.6	1	2	1				4
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1242.3	948.7	1113.9	270.7	2.8		3578.4

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			3				3
1.8 TO 2.0			2				2
1.6 TO 1.8		1	8	2			11
1.5 TO 1.6	2	8	14	6			30
1.4 TO 1.5	9	34	46	5			94
1.3 TO 1.4	38	130	107	20			295
1.2 TO 1.3	177	448	374	72			1071
1.1 TO 1.2	799	1438	1162	283	1		3683
0.8 TO 0.9	424	819	541	145			1929
0.7 TO 0.8	65	146	121	25			357
0.6 TO 0.7	7	18	26	4			55
0.4 TO 0.6	2	2	7	2			13
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	815.3	1581.6	1536.7	429.9	0.7		4162.8

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0			1				1
1.6 TO 1.8		2	1	1			4
1.5 TO 1.6		3	4	2			9
1.4 TO 1.5	1	6	13	7			27
1.3 TO 1.4	3	33	67	11			114
1.2 TO 1.3	19	129	211	35	1		395
1.1 TO 1.2	75	636	844	161	18		1732
0.8 TO 0.9	57	443	472	59	8		1039
0.7 TO 0.8	9	59	58	7	3		136
0.6 TO 0.7		5	16	2			23
0.4 TO 0.6		2	3				5
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	65.2	1534.3	1530.6	248.6	20.6		3399.2

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6				1			1
1.4 TO 1.5	1	1	1	1			4
1.3 TO 1.4		1	14	5			20
1.2 TO 1.3		24	68	22			114
1.1 TO 1.2	4	209	476	124			813
0.8 TO 0.9	4	169	266	63			502
0.7 TO 0.8		14	32	2			48
0.6 TO 0.7		1	2				3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	42.2	1682.4	1878.5	290.7			3893.7

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			4				4
1.3 TO 1.4		2	17	3			22
1.2 TO 1.3		30	56	15			101
1.1 TO 1.2	6	240	548	52			846
0.8 TO 0.9	8	173	293	41			515
0.7 TO 0.8		17	16				33
0.6 TO 0.7			3				3
0.4 TO 0.6			2				2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	70.0	1712.8	3619.6	231.5			5634.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.5 TO 1.6			1				1
1.4 TO 1.5		2	3				5
1.3 TO 1.4		12	3				15
1.2 TO 1.3	1	31	32	3			67
1.1 TO 1.2	13	316	781	16			1126
0.8 TO 0.9	8	232	399	8			647
0.7 TO 0.8	1	18	12				31
0.6 TO 0.7		1	2				3
0.4 TO 0.6		1	1				2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	126.9	3613.6	6050.7	77.6			9868.7

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5		2	2				4
1.3 TO 1.4		5	4				9
1.2 TO 1.3	1	27	8				36
1.1 TO 1.2	14	547	278	1			840
0.8 TO 0.9	6	237	102				345
0.7 TO 0.8	1	11	8				20
0.6 TO 0.7		1					1
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	174.6	9941.5	3099.6	0.6			13966.3

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			1				1
1.4 TO 1.5	1	2					3
1.3 TO 1.4		1	2				3
1.2 TO 1.3	8	10	4				22
1.1 TO 1.2	9	163	54				226
0.8 TO 0.4	1	70	20				91
0.7 TO 0.8		2	2				4
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	150.6	3490.6	843.6				4492.7

Table 101

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0				1	1		2
1.6 TO 1.8	1	3	5	5			14
1.5 TO 1.6		5	25	1			31
1.4 TO 1.5	7	17	36	2			62
1.3 TO 1.4	43	68	70	1			182
1.2 TO 1.3	182	286	109	12			589
1.1 TO 1.2	1038	716	183	18			1955
0.8 TO 0.9	587	305	79	3			974
0.7 TO 0.8	47	65	27	3			142
0.6 TO 0.7	2	8	5				15
0.4 TO 0.6	1	1	3				5
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	447.4	426.4	320.9	80.4			1273.1

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			1				1
1.6 TO 1.8		1	1				2
1.5 TO 1.6		1	2				3
1.4 TO 1.5	9	13	16	4			42
1.3 TO 1.4	23	57	40	10			130
1.2 TO 1.3	125	261	167	33			586
1.1 TO 1.2	586	806	466	71			1929
0.8 TO 0.9	308	452	207	24			991
0.7 TO 0.8	44	85	49	5			185
0.6 TO 0.7	5	8	4				17
0.4 TO 0.6		2		1			3
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	352.6	917.1	632.6	122.7			2024.8

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		3	1	1			5
1.5 TO 1.6		2	3	3			8
1.4 TO 1.5	2	8	5	3			18
1.3 TO 1.4	2	17	28	4			51
1.2 TO 1.3	20	80	110	16	1		227
1.1 TO 1.2	83	356	389	88	15		931
0.8 TO 0.9	21	228	218	33	6		506
0.7 TO 0.8		51	26		2		59
0.6 TO 0.7		4	9	2			15
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	62.4	1091.4	681.1	164.3	31.6		2011.4

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		2	1	2			5
1.5 TO 1.6			1	1			2
1.4 TO 1.5		3	1	1			5
1.3 TO 1.4			9	4			13
1.2 TO 1.3		22	40	18			80
1.1 TO 1.2	3	172	287	87	1		550
0.8 TO 0.9		124	115	41	4		284
0.7 TO 0.8		11	9	3			23
0.6 TO 0.7		2	2				4
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	22.4	1386.2	998.6	261.6	9.3		2378.2

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6							
1.4 TO 1.5				3	2		5
1.3 TO 1.4			1	7	2		10
1.2 TO 1.3	1	9	38	12			60
1.1 TO 1.2	4	112	296	44			456
0.8 TO 0.9	5	92	111	17			228
0.7 TO 0.8	3	3	11	1			18
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	55.6	1096.5	1652.4	85.5			2900.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			1	1			2
1.3 TO 1.4		2	10	4			16
1.2 TO 1.3	2	9	27	5			43
1.1 TO 1.2	6	143	419	4			572
0.8 TO 0.9	16	97	128	2			242
0.7 TO 0.8	1	8	6	2			17
0.6 TO 0.7			1				1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	80.6	2086.6	3795.2	23.7			5986.1

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			1	1			2
1.3 TO 1.4			4				4
1.2 TO 1.3		16	10				26
1.1 TO 1.2	1	225	92				318
0.8 TO 0.9	4	132	35				171
0.7 TO 0.8		9	1				10
0.6 TO 0.7		2					2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	88.6	6550.2	1829.9				8468.8

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1					1
1.2 TO 1.3		5	4				9
1.1 TO 1.2	2	73	77				152
0.8 TO 0.9	1	49	47				97
0.7 TO 0.8		6	4				10
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	25.3	1529.1	587.8				2142.2

Table 102

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		2					2
1.4 TO 1.5		3					3
1.3 TO 1.4	7	37	6				50
1.2 TO 1.3	48	122	8	1			179
1.1 TO 1.2	299	338	33	8			678
0.8 TO 0.9	206	153	13				372
0.7 TO 0.8	13	12	4				29
0.6 TO 0.7	1	1	1				3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	177.3	224.1	49.9	26.4			477.9

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1	1			2
1.5 TO 1.6					1		1
1.4 TO 1.5	1	1	1				3
1.3 TO 1.4	2	25	6				33
1.2 TO 1.3	27	67	28	4			126
1.1 TO 1.2	113	265	108	3			489
0.8 TO 0.9	33	155	56				244
0.7 TO 0.8	10	23	10				43
0.6 TO 0.7		3	3				6
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	66.8	305.2	125.9	19.6			619.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6			2	1			3
1.4 TO 1.5		1	1				2
1.3 TO 1.4	1	8	6	3			18
1.2 TO 1.3	1	33	14	5			53
1.1 TO 1.2	19	179	86	11			295
0.8 TO 0.9	9	116	41	4			170
0.7 TO 0.8		7	1				8
0.6 TO 0.7		1					1
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	19.2	663.5	219.4	28.7			930.8

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8				1	1		2
1.5 TO 1.6					1		1
1.4 TO 1.5			1	1	1		3
1.3 TO 1.4	1	2	2	1	1		5
1.2 TO 1.3		12	9	7			28
1.1 TO 1.2	4	76	85	20			185
0.8 TO 0.9	1	47	24	10			82
0.7 TO 0.8		7	2	1			10
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	22.3	654.1	419.3	30.3			1126.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		2	2				4
1.2 TO 1.3		9	13				22
1.1 TO 1.2	8	90	151	2			211
0.8 TO 0.9	8	48	58	1			115
0.7 TO 0.8	1	4	4				9
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	30.5	821.4	1151.7	3.9			2027.4

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO			4	2			
1.1 TO 1.2			55	85			
0.8 TO 0.9	5	44	13				62
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	71.3	1205.9	1312.6	2.0			2591.8

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1					1
1.2 TO 1.3		5	2				7
1.1 TO 1.2		83	10				93
0.8 TO 0.9	1	52	6				59
0.7 TO 0.8		6	2				8
0.6 TO 0.7		2					2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	57.9	1738.7	444.5				2211.1

Altitude 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		3	2				5
0.8 TO 0.9		3					3
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		234.8	44.0				278.8

Table 103

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			1	2			3
1.6 TO 1.8			1	2			3
1.5 TO 1.6	2	2	1	2			7
1.4 TO 1.5	6	5	4	2			17
1.3 TO 1.4	20	13	4	8			45
1.2 TO 1.3	59	27	3	10			99
1.1 TO 1.2	152	62	5	9			228
0.8 TO 0.9	89	32	5	3			129
0.7 TO 0.8	11	9	2	4			26
0.6 TO 0.7	2	1	1	2			6
0.4 TO 0.6	1	1	2				4
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	150.7	121.6	26.9	57.1			356.3

Altitude: 2000 to 5000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			2	1			3
1.4 TO 1.5		1	3				4
1.3 TO 1.4	1	5	4	2			12
1.2 TO 1.3	4	10	12	3			29
1.1 TO 1.2	28	48	27	6			109
0.8 TO 0.9	19	37	16	2			74
0.7 TO 0.8	1	4	1	1			7
0.6 TO 0.7		1					1
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	52.1	58.9	57.8	24.8			193.6

Altitude: 5000 to 10,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6				1			1
1.4 TO 1.5							
1.3 TO 1.4			1	1			2
1.2 TO 1.3			7				7
1.1 TO 1.2			25	5			30
0.8 TO 0.9			29				29
0.7 TO 0.8			5				5
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		0.3	57.4				61.2

Altitude: 10,000 to 15,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2				1	3		4
0.8 TO 0.9				2			2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)			1.1	2.6			3.7

Altitude: 15,000 to 20,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			1				1
1.3 TO 1.4							
1.2 TO 1.3				2			2
1.1 TO 1.2				3			3
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		0.5	0.9	38.5			39.8

Altitude: 20,000 to 25,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1					1
1.1 TO 1.2		3					3
0.8 TO 0.9		2					2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		4.2					4.2

Altitude: 25,000 to 30,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			2				2
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		3.1					3.1

Altitude: 30,000 feet and Above

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			2				2
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		22.9					22.9

Table 104

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8				1			1
2.8 TO 2.6			1	1			2
1.8 TO 2.0			4	3			7
1.6 TO 1.8	2	5	5	9			21
1.5 TO 1.6	7	9	10	7			33
1.4 TO 1.5	12	22	17	9			60
1.3 TO 1.4	50	52	39	8			151
1.2 TO 1.3	179	191	88	33			471
1.1 TO 1.2	784	414	189	45			1420
0.8 TO 0.9	445	233	114	27			819
0.7 TO 0.8	52	55	25	7			140
0.6 TO 0.7	8	5	7	7			27
0.4 TO 0.6	6		7	3			16
0.2 TO 0.4				2			2
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	589.6	494.8	523.2	321.9			1888.6

Altitude: 2000 to 5000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.8 TO 2.6							
1.8 TO 2.0			1				1
1.6 TO 1.8		4	4	1			9
1.5 TO 1.6	2	4	3				9
1.4 TO 1.5		4	6	1			11
1.3 TO 1.4	18	23	28	3			72
1.2 TO 1.3	94	84	95	26			289
1.1 TO 1.2	388	379	283	62			1112
0.8 TO 0.9	226	231	149	25			671
0.7 TO 0.8	26	28	25	5			84
0.6 TO 0.7	3	7	4	1			15
0.4 TO 0.6		1	1				2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	373.0	385.5	528.9	195.9	0.2		1483.6

Altitude: 5000 to 10,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.8 TO 2.6							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6	1		3				4
1.4 TO 1.5			2	1			3
1.3 TO 1.4			5	10			15
1.2 TO 1.3	7	3	18	16			44
1.1 TO 1.2	24	32	103	33			192
0.8 TO 0.9	18	21	54	21			114
0.7 TO 0.8		2	4	5			11
0.6 TO 0.7			4				4
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	21.2	56.4	172.9	85.8			336.3

Altitude: 10,000 to 15,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.8 TO 2.6							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6							
1.4 TO 1.5			1				1
1.3 TO 1.4			4	1			5
1.2 TO 1.3		1	13	13			27
1.1 TO 1.2		11	68	23			102
0.8 TO 0.9		7	30	11			48
0.7 TO 0.8		1	5	1			7
0.6 TO 0.7			1				1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.9	94.6	111.2	37.9			286.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.8 TO 2.6							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			2	1			3
1.4 TO 1.5				1			1
1.3 TO 1.4			1	7	3		11
1.2 TO 1.3	2	14	47	8			71
1.1 TO 1.2							
0.8 TO 0.9	1	16	27	5			49
0.7 TO 0.8			2	1			3
0.6 TO 0.7	1	1					2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.0	37.9	209.7	20.7			271.3

Altitude: 20,000 to 25,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.8 TO 2.6							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6			2				2
1.4 TO 1.5		1					1
1.3 TO 1.4			3				3
1.2 TO 1.3	1	12	5	1			19
1.1 TO 1.2	1	113	78	1			189
0.8 TO 0.9	3	61	48				112
0.7 TO 0.8		0	2				30
0.6 TO 0.7							
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1.7	159.3	452.2	3.8			623.0

Altitude: 25,000 to 30,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.8 TO 2.6							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1	1				2
1.2 TO 1.3		5	1				6
1.1 TO 1.2		54	26				80
0.8 TO 0.9		23	14				37
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		179.4	150.9				330.3

Altitude: 30,000 feet and Above

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.8 TO 2.6							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	5	16					21
1.1 TO 1.2	16	78	7				93
0.8 TO 0.9	7	15	2				24
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	157.4	718.2	23.9				899.5

Table 105

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2			2	1			3
1.8 TO 2.0							
1.6 TO 1.8	6	4	14	5			29
1.5 TO 1.6	17	16	9	11			53
1.4 TO 1.5	45	41	30	28			144
1.3 TO 1.4	151	136	69	26			382
1.2 TO 1.3	642	486	192	77			1317
1.1 TO 1.2	2367	1022	585	114			4088
0.8 TO 0.9	1279	520	259	79			2137
0.7 TO 0.8	297	128	101	37			473
0.6 TO 0.7	77	15	12	14			58
0.4 TO 0.6	3	2	1	4			10
0.2 TO 0.4				1			1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1313.9	866.5	1176.0	332.5			3689.0

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2			2	2			4
1.8 TO 2.0							
1.6 TO 1.8	1	7	8	1			17
1.5 TO 1.6	3	9	12	6	1		31
1.4 TO 1.5	11	13	16	6			48
1.3 TO 1.4	25	80	58	19	1		183
1.2 TO 1.3	175	325	178	47	3		728
1.1 TO 1.2	626	906	795	220	9		2640
0.8 TO 0.9	327	543	468	96	1		1417
0.7 TO 0.8	50	96	55	19	1		230
0.6 TO 0.7	6	11	8	4			29
0.4 TO 0.6		5	1	1			7
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	972.5	1866.8	1228.3	320.1	3.2		5176.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0			1	1			2
1.6 TO 1.8				3	1		4
1.5 TO 1.6				3	2		5
1.4 TO 1.5			5	14	5		24
1.2 TO 1.3			18	52	24	1	95
1.1 TO 1.2	1	104	278	116	1		560
0.8 TO 0.9	3	131	177	74	1		386
0.7 TO 0.8		10	19	8			37
0.6 TO 0.7		1	2				3
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	4.7	282.7	556.0	221.2	1.0		1065.6

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0			1				1
1.6 TO 1.8			1				1
1.5 TO 1.6							
1.4 TO 1.5		1					1
1.3 TO 1.4		4	11	1			16
1.2 TO 1.3		20	27	12			59
1.1 TO 1.2	11	115	82	59			267
0.8 TO 0.9	3	85	67	31			186
0.7 TO 0.8		8	9	1			18
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	9.9	262.4	463.8	134.6			850.7

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 1.8							
1.6 TO 1.8							
1.5 TO 1.6					1		1
1.4 TO 1.5							
1.3 TO 1.4	1			3			4
1.2 TO 1.3	4	11	12	3			30
1.1 TO 1.2	24	103	44	10			271
0.8 TO 0.9	15	230	39	6			290
0.7 TO 0.8	5	9	4	2			20
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	32.0	203.9	262.5	10.7			509.9

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4			1				1
2.0 TO 2.2	1	1					2
1.8 TO 1.8	1		1				2
1.6 TO 1.6	1		2	2			5
1.4 TO 1.5	7	2	3				12
1.3 TO 1.4	35	34	9				78
1.2 TO 1.3	65	169	140	1			375
1.1 TO 1.2	42	81	52	1			176
0.8 TO 0.9	5	18	5				28
0.7 TO 0.8		1					1
0.6 TO 0.7			1				1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	79.4	418.1	693.8	2.3			1192.7

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 1.8							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		4	2				6
1.2 TO 1.3		16	2				18
1.1 TO 1.2	6	130	35				177
0.8 TO 0.9		62	12				74
0.7 TO 0.8		7	2				9
0.6 TO 0.7		2					2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	23.2	794.6	247.7				1065.5

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 1.8							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		2					2
1.2 TO 1.3		15	1				16
1.1 TO 1.2	15	169	4				188
0.8 TO 0.9	11	43	2				56
0.7 TO 0.8		6					6
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	542.1	1787.6	110.0				2439.7

Table 106

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4				2			2
1.8 TO 2.0		1	4	1			6
1.6 TO 1.8	1	4	12	7			24
1.5 TO 1.6	4	11	14	9			38
1.4 TO 1.5	25	23	42	13			103
1.3 TO 1.4	88	112	110	30			340
1.2 TO 1.3	334	315	254	111			1014
1.1 TO 1.2	1095	626	610	201			2532
0.8 TO 0.9	708	295	326	56			1377
0.7 TO 0.8	161	88	136	44			363
0.6 TO 0.7	6	13	30	20			69
0.4 TO 0.6	3	1	6	6			16
0.2 TO 0.4	1		1	1			3
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	650.3	571.0	682.2	452.2			2404.6

Altitude: 2000 to 5000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			4				4
1.6 TO 1.8		1	13	1			15
1.5 TO 1.6	1	5	12	2			20
1.4 TO 1.5		4	20	7			31
1.3 TO 1.4	8	37	51	2			98
1.2 TO 1.3	61	123	174	23			381
1.1 TO 1.2	275	396	587	86			1264
0.8 TO 0.9	140	248	240	32	1		661
0.7 TO 0.8	12	37	52	7			108
0.6 TO 0.7	2	3	12				17
0.4 TO 0.6		3	4				7
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	235.6	496.2	800.7	137.3	1.4		1671.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		3	5	1			9
1.2 TO 1.3		3	29	2			34
1.1 TO 1.2		94	175	49			318
0.8 TO 0.9	1	93	133	25			252
0.7 TO 0.8		5	9	3			17
0.6 TO 0.7			1				1
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.5	257.9	492.9	118.8			871.6

Altitude: 10,000 to 15,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1	1				2
1.2 TO 1.3	1	13	12	5			31
1.1 TO 1.2	2	96	83	13			194
0.8 TO 0.9	5	84	33	4			126
0.7 TO 0.8		14	2				16
0.6 TO 0.7		1	1				2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	13.7	326.7	231.8	24.9			567.2

Altitude: 15,000 to 20,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0		1					1
1.6 TO 1.8		1	1				2
1.5 TO 1.6		5	1				6
1.4 TO 1.5		4	1				5
1.3 TO 1.4		3	4				7
1.2 TO 1.3	6	18	8	1			33
1.1 TO 1.2	44	176	44	8			272
0.8 TO 0.9	14	100	26	2			230
0.7 TO 0.8		13	1				14
0.6 TO 0.7		2					2
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	36.3	284.6	246.2	21.1			582.3

Altitude: 20,000 to 25,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		1					1
1.4 TO 1.5							
1.3 TO 1.4		1	1				2
1.2 TO 1.3		11	8				19
1.1 TO 1.2	6	164	112				282
0.8 TO 0.9	3	151	79				233
0.7 TO 0.8	2	11	8				21
0.6 TO 0.7		1					1
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	13.0	300.2	697.9				1291.1

Altitude: 25,000 to 30,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		6					6
1.2 TO 1.3		9	1				10
1.1 TO 1.2		83	15				98
0.8 TO 0.9		68	3				71
0.7 TO 0.8		4	1				5
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	9.7	1056.8	174.7				1240.2

Altitude: 30,000 feet and Above

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1					1
1.2 TO 1.3	3	17					22
1.1 TO 1.2	27	125	1				153
0.8 TO 0.9	21	43					64
0.7 TO 0.8	1						1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	116.8	885.6	30.4				1033.0

Table 107

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8	2	2	2	3			9
1.5 TO 1.6		5	1	4			10
1.4 TO 1.5	5	5	9	10			29
1.3 TO 1.4	16	20	19	19			72
1.2 TO 1.3	31	55	36	38			160
1.1 TO 1.2	161	107	34	39			341
0.8 TO 0.9	10	67	32	50			236
0.7 TO 0.8	10	12	16	17			55
0.6 TO 0.7			4	12			16
0.4 TO 0.6	1		1	5			7
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	93.8	77.3	178.4	205.8			555.3

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6			2				2
1.4 TO 1.5	1	4	3	3			11
1.3 TO 1.4	1	6	3	9			19
1.2 TO 1.3	10	37	22	21			90
1.1 TO 1.2	41	95	32	45			213
0.8 TO 0.9	22	53	75	26			126
0.7 TO 0.8	4	6	5	5			20
0.6 TO 0.7				3			3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	26.0	67.3	66.4	57.7			217.5

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			1				1
1.2 TO 1.3			4	1			5
1.1 TO 1.2	3	22	26	5			56
0.8 TO 0.9	2	18	7				27
0.7 TO 0.8		2					2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.0	111.7	30.5	3.2			147.3

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		3					3
1.1 TO 1.2		29	2	1			32
0.8 TO 0.9		13		2			15
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		60.9	3.5	2.1			66.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1					1
1.2 TO 1.3		6	1				7
1.1 TO 1.2	3	19	7	3			32
0.8 TO 0.9	8	15	4				27
0.7 TO 0.8	1	4					5
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.6	70.8	7.8	5.2			89.8

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			1				1
1.1 TO 1.2	2	12	43				57
0.8 TO 0.9		14	15				30
0.7 TO 0.8			2				2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.7	123.2	289.6	2.0			418.5

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		3	2				5
1.1 TO 1.2	3	28	1				32
0.8 TO 0.9		11					11
0.7 TO 0.8		2					2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	14.7	230.9	11.0				256.5

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	2	3					5
0.8 TO 0.9	1	1					2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	20.1	21.7					41.8

Table 108

C-130B — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.6							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			4				4
1.3 TO 1.4			19	2			21
1.2 TO 1.3	3	7	9	11			30
1.1 TO 1.2	14	25	6	13			58
0.9 TO 0.9	12	15	11	27			65
0.7 TO 0.8	1	1	7	12			21
0.6 TO 0.7				2			2
0.4 TO 0.6							
0.2 TO 0.4				1			1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.9	8.7	29.9	20.4			63.9

Altitude: 2000 to 5000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.6							
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.5 TO 1.6			1				1
1.4 TO 1.5				1			1
1.3 TO 1.4		1	6	1			8
1.2 TO 1.3	1	4	21	9			35
1.1 TO 1.2	1	12	20	18			51
0.8 TO 0.9		8	14	7			29
0.7 TO 0.8		1	2	3			6
0.6 TO 0.7				1			1
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.9	13.4	38.4	48.8			101.4

Altitude: 5000 to 10,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.6							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			1				1
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		17.1	6.5				23.6

Altitude: 10,000 to 15,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.6							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	NO ENTRIES						
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		5.1	0.9				6.0

Altitude: 15,000 to 20,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.6							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	NO ENTRIES						
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		10.0					10.0

Altitude: 20,000 to 25,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.6							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1	1				2
1.1 TO 1.2		2	16				18
0.8 TO 0.9		2	4				6
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		10.0	54.0				64.0

Table 109

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 75, 000 to 85, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0		1					1
0.6 TO 0.8			1				1
0.5 TO 0.6				1			1
0.4 TO 0.5		5	10	3			18
0.3 TO 0.4	7	11	42	16			76
0.2 TO 0.3	36	55	105	47			243
0.1 TO 0.2	199	217	248	151			815
-0.2 TO -0.1	161	178	217	100			656
-0.3 TO -0.2	27	49	99	41			216
-0.4 TO -0.3	7	17	32	16			72
-0.6 TO -0.4	1		13	2			16
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	84.0	56.4	22.6	12.4			175.5

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1	2			3
0.3 TO 0.4			6	6			12
0.2 TO 0.3			34	36			70
0.1 TO 0.2	3	15	208	227			453
-0.2 TO -0.1	3	11	204	216			434
-0.3 TO -0.2			19	42			61
-0.4 TO -0.3			5	6			11
-0.6 TO -0.4			1	2			3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	6.9	23.7	47.0	18.8			96.4

Altitude: 30, 000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4	NO ENTRIES						
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	117.7						117.7

Table 110

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 85, 000 to 95, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8			2	1	2		5
1.0 TO 1.4			5	3	11		19
0.8 TO 1.0			24	35	75		134
0.6 TO 0.8		2	34	86	135		255
0.5 TO 0.6		4	94	234	364	1	704
0.4 TO 0.5		66	186	1043	1075	1	2371
0.3 TO 0.4		603	628	2815	2979	6	6804
0.2 TO 0.3		2086	1893	6217	6138	9	16343
0.1 TO 0.2		1928	2042	6447	6192	10	16619
-0.2 TO -0.1		273	547	2450	2601	4	5875
-0.3 TO -0.2		31	152	526	906	1	1918
-0.4 TO -0.3		4	84	265	397		750
-0.6 TO -0.4			11	23	49		83
-0.8 TO -0.6			1	1	8		10
-1.0 TO -0.8				1			1
BELOW -1.0							
FLT TIME (MIN)	959.9	785.2	721.2	474.9	0.6		2943.8

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8	1	1	7				9
0.5 TO 0.6		1	16	1			18
0.4 TO 0.5	2	5	50	8			65
0.3 TO 0.4	18	39	182	39			278
0.2 TO 0.3	155	250	653	181			1239
0.1 TO 0.2	978	1450	2039	674			5141
-0.2 TO -0.1	785	1356	1809	780			4728
-0.3 TO -0.2	125	233	572	170			1100
-0.4 TO -0.3	14	60	165	46			285
-0.6 TO -0.4	4	11	71	14			100
-0.8 TO -0.6			9				9
-1.0 TO -0.8			2				2
BELOW -1.0							
FLT TIME (MIN)	477.4	919.7	605.7	168.1			2170.9

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5			2				2
0.3 TO 0.4			5				5
0.2 TO 0.3			22	1			23
0.1 TO 0.2		29	129				158
-0.2 TO -0.1		32	177				209
-0.3 TO -0.2		1	32				33
-0.4 TO -0.3			6				6
-0.6 TO -0.4			5				5
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		25.0	79.4	9.1			113.5

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4			2				2
0.2 TO 0.3			7				7
0.1 TO 0.2		6	39	1			46
-0.2 TO -0.1		6	36	1			45
-0.3 TO -0.2			8				8
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		11.3	115.1	17.0			143.5

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			2				2
0.4 TO 0.5			3				3
0.3 TO 0.4			6				6
0.2 TO 0.3		1	19				20
0.1 TO 0.2			70				70
-0.2 TO -0.1		1	66				67
-0.3 TO -0.2		2	19				21
-0.4 TO -0.3			5				5
-0.6 TO -0.4			3				3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		2.9	2.0	57.4			62.3

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1			1				1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		3.3	64.6				67.9

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			12				12
-0.2 TO -0.1			23				23
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		41.0	40.0				161.0

Table 111

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 95, 000 to 105, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4				3			3
0.8 TO 1.0			5	17			22
0.6 TO 0.8		4	95	110			209
0.5 TO 0.6	2	16	264	319			601
0.4 TO 0.5	8	87	961	593			1949
0.3 TO 0.4	102	344	3260	2783			6489
0.2 TO 0.3	600	1654	10311	7940			20705
0.1 TO 0.2	4402	6395	24126	16915			51838
-0.2 TO -0.1	4103	6307	22742	15378			48530
-0.3 TO -0.2	578	1472	9159	6855			18064
-0.4 TO -0.3	56	280	2770	2341			5447
-0.6 TO -0.4	11	56	1009	1023			2099
-0.8 TO -0.6		1	76	82			159
-1.0 TO -0.8			5	12			17
BELOW -1.0				1			1
FLT TIME (MIN)	2140.3	1621.0	2638.3	1341.0			7740.6

Altitude: 2000 to 5 .0 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0		1					1
0.6 TO 0.8		3	10				13
0.5 TO 0.6	2	16	20	9			47
0.4 TO 0.5	4	88	130	31			253
0.3 TO 0.4	30	331	539	101			1001
0.2 TO 0.3	256	1393	2029	360			4028
0.1 TO 0.2	1551	5256	6290	1272			14357
-0.2 TO -0.1	1432	5179	6148	1384			14147
-0.3 TO -0.2	226	1351	1651	411			3639
-0.4 TO -0.3	41	297	472	111			921
-0.6 TO -0.4	4	103	145	46			298
-0.8 TO -0.6		5	7	6			18
-1.0 TO -0.8		2	2				4
BELOW -1.0							
FLT TIME (MIN)	852.1	1713.1	1565.6	259.7			6389.6

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5		1	5				6
0.3 TO 0.4		1	4	2			7
0.2 TO 0.3	1	15	37	5			58
0.1 TO 0.2	2	156	195	13			366
-0.2 TO -0.1	3	180	200	2			385
-0.3 TO -0.2	1	18	24	1			44
-0.4 TO -0.3		4	10				14
-0.6 TO -0.4			3				3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	3.5	202.7	109.3	12.0			327.6

Altitude: 10, 000 to 15 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		1	1				2
0.1 TO 0.2		6	2	4			12
-0.2 TO -0.1		6	2				9
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		24.0	24.2	4.5			52.8

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			1				1
0.2 TO 0.3			5				5
0.1 TO 0.2			39	1			40
-0.2 TO -0.1			35	2			37
-0.3 TO -0.2			3				3
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	5.7	19.0	189.7	1.6			216.0

Altitude: 20, 000 to 25 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1	3				4
0.2 TO 0.3		2	9				11
0.1 TO 0.2		26	96				122
-0.2 TO -0.1		19	55				74
-0.3 TO -0.2		2	8				10
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	5.7	33.7	184.8				224.2

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			20				20
-0.2 TO -0.1			12				12
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		37.0	233.1				270.1

Table 112

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4			3				3
0.8 TO 1.0			10	10			20
0.6 TO 0.8	1	2	94	114			211
0.5 TO 0.6	5	8	268	338			619
0.4 TO 0.5	29	68	959	1184			2234
0.3 TO 0.4	161	286	3101	3547			7095
0.2 TO 0.3	937	1391	9921	10342			22591
0.1 TO 0.2	4570	5243	21561	23014			54388
-0.2 TO -0.1	4122	5194	19770	21684			50760
-0.3 TO -0.2	711	1302	8498	9454			19965
-0.4 TO -0.3	89	222	2650	3240			6201
-0.6 TO -0.4	8	61	1029	1234			2332
-0.8 TO -0.6		1	89	106			196
-1.0 TO -0.8			12	9			21
BELOW -1.0				1			1
FLT TIME (MIN)	1516.3	1213.3	2410.8	1988.7			7129.1

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			3				3
0.6 TO 0.8		1	15	4			20
0.5 TO 0.6		10	37	14			61
0.4 TO 0.5	2	52	158	51			263
0.3 TO 0.4	16	239	588	219			1062
0.2 TO 0.3	138	1088	2321	765			4004
0.1 TO 0.2	1278	4188	5903	2351			13720
-0.2 TO -0.1	1296	4411	6371	2119			13897
-0.3 TO -0.2	144	1087	1965	693			3871
-0.4 TO -0.3	8	256	624	226			1112
-0.6 TO -0.4	4	56	236	99			395
-0.8 TO -0.6		1	15	9			25
-1.0 TO -0.8			1				1
BELOW -1.0			1				1
FLT TIME (MIN)	565.3	1334.5	1351.9	265.9			3517.6

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4			7	2			9
0.2 TO 0.3		1	19	2			22
0.1 TO 0.2	8	28	113	19			168
-0.2 TO -0.1	3	32	117	29			181
-0.3 TO -0.2	1	3	17	4			25
-0.4 TO -0.3		1	3				4
-0.6 TO -0.4		1	2	1			4
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1.8	40.2	119.6	19.3			176.9

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		2					2
0.2 TO 0.3		5	1				6
0.1 TO 0.2		40	2				42
-0.2 TO -0.1		30					30
-0.3 TO -0.2		7	1				8
-0.4 TO -0.3		2					2
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	83.1	4.9	3.8				91.8

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3		5	1				6
0.1 TO 0.2		4	38				42
-0.2 TO -0.1		5	16				21
-0.3 TO -0.2		1					1
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		35.9	133.7	0.4			170.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4			1				1
0.2 TO 0.3			7				7
0.1 TO 0.2		11	170				181
-0.2 TO -0.1		6	178				184
-0.3 TO -0.2		1	19				20
-0.4 TO -0.3							
-0.6 TO -0.4			1				1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		34.5	288.1				322.6

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			2				2
0.2 TO 0.3		6	61				67
0.1 TO 0.2			66				66
-0.2 TO -0.1			1				1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		15.9	134.1				150.0

Table 113

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 115, 000 to 125, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0				3			3
0.6 TO 0.8			16	21			37
0.5 TO 0.6	1	3	52	75			111
0.4 TO 0.5	5	20	206	231			462
0.3 TO 0.4	25	96	479	669			1440
0.2 TO 0.3	138	460	2763	2316			5677
0.1 TO 0.2	835	1873	6423	5473			14604
-0.2 TO -0.1	817	1690	6331	5335			14382
-0.3 TO -0.2	107	403	2325	2098			4923
-0.4 TO -0.3	17	84	607	570			1273
-0.6 TO -0.4	1	10	129	202			342
-0.8 TO -0.6			5	8			13
-1.0 TO -0.8							
BELOW -1.0				1			1
FLT TIME (MIN)	345.4	485.0	829.8	518.2			2178.4

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1	1				2
0.5 TO 0.6			5	4			9
0.4 TO 0.5		3	16	17			36
0.3 TO 0.4		10	72	66	1		149
0.2 TO 0.3	34	160	426	252	4		876
0.1 TO 0.2	311	950	1856	1854	16		3027
-0.2 TO -0.1	369	833	1583	1088	8		3821
-0.3 TO -0.2	41	165	377	306	6		895
-0.4 TO -0.3	1	25	77	65	2		175
-0.6 TO -0.4		5	21	13	1		40
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	132.5	268.5	365.1	219.7	1.5		987.4

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			1	2			3
0.1 TO 0.2		2	3	17			22
-0.2 TO -0.1		9	2	16			27
-0.3 TO -0.2				1			1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		44.3	13.0	12.5			69.8

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		7					7
-0.2 TO -0.1		5	1				6
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	8.9	27.0	34.0	19.9			89.8

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		5	10				15
-0.2 TO -0.1		5	7				12
-0.3 TO -0.2			2				2
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		59.7	45.7				105.4

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			11				11
0.2 TO 0.3		4	46				50
0.1 TO 0.2		33	349				382
-0.2 TO -0.1		31	334				365
-0.3 TO -0.2		2	55				57
-0.4 TO -0.3			14				14
-0.6 TO -0.4			5				5
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.0	60.3 -	241.2				303.6

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			1				1
0.2 TO 0.3		3	17				20
0.1 TO 0.2		36	156				192
-0.2 TO -0.1		35	106				141
-0.3 TO -0.2		3	12				15
-0.4 TO -0.3			2				2
-0.6 TO -0.4			1				1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		43.8	131.0				174.8

Altitude: 30, 000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		NO ENTRIES					
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		20.7					20.7

Table 114

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 125, 000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5							
0.3 TO 0.4			2	4			6
0.2 TO 0.3		3	13	19			35
0.1 TO 0.2	3	32	105	136			276
-0.2 TO -0.1	1	28	133	140			302
-0.3 TO -0.2	1	6	20	27			54
-0.4 TO -0.3				1			1
-0.6 TO -0.4			1	1			2
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	11.4	11.4	13.4	12.9			54.6

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			2	1			3
0.1 TO 0.2		4	33	24			61
-0.2 TO -0.1		5	29	24			58
-0.3 TO -0.2			1	3			4
-0.4 TO -0.3				1			1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		16.0	13.1	23.1			52.2

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			4	4			8
-0.2 TO -0.1		2	7	3			12
-0.3 TO -0.2			1	1			2
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		16.5	6.5	1.0			23.9

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2	NO ENTRIES						
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		15.0					15.0

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		2					2
-0.2 TO -0.1		1					1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		16.0					16.0

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		2					2
-0.2 TO -0.1		4					4
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.5 TO -0.4							
-0.6 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		18.0	45.0				63.0

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			1				1
0.1 TO 0.2		7	6				13
-0.2 TO -0.1		2	4				6
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	7.3	24.6	12.1				44.0

Table 115

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 75, 000 to 85, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4	1						1
0.2 TO 0.3	11	9	1				21
0.1 TO 0.2	110	28	22				160
-0.2 TO -0.1	103	28	17				148
-0.3 TO -0.2	11	6	3				20
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	45.5	12.0	4.2				61.7

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5		1		2			3
0.3 TO 0.4	4	3	8	1			16
0.2 TO 0.3	8	20	21	5			54
0.1 TO 0.2	94	136	84	22			336
-0.2 TO -0.1	92	109	65	12			278
-0.3 TO -0.2	7	12	21	5			45
-0.4 TO -0.3	1	3	8	1			13
-0.6 TO -0.4		1	1	2			4
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	35.7	74.8	30.9	2.5			143.5

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.9							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5			2				2
0.3 TO 0.4		1	10				11
0.2 TO 0.3		8	28				36
0.1 TO 0.2		47	101	1			149
-0.2 TO -0.1		47	140	2			189
-0.3 TO -0.2		1	27				28
-0.4 TO -0.3		2	12				14
-0.6 TO -0.4			3				3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.1	78.5	43.8	2.7			125.1

Altitude: 10, 000 to 15 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.9							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			4	1			5
0.1 TO 0.2			13	6			19
-0.2 TO -0.1			11	8			19
-0.3 TO -0.2			5				5
-0.4 TO -0.3			1	1			2
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		10.0	32.7	10.4			53.1

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2			1				1
0.8 TO 0.8							
0.6 TO 0.6							
0.5 TO 0.5			1				1
0.4 TO 0.4			3				3
0.3 TO 0.3			1				1
0.2 TO 0.2			14				14
-0.2 TO -0.1			8				8
-0.3 TO -0.2			3				3
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		2.9	113.0	4.1			120.9

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8							
0.6 TO 0.6							
0.5 TO 0.5							
0.4 TO 0.4			1				1
0.3 TO 0.3			14				14
0.2 TO 0.2		1	81				82
-0.2 TO -0.1		3	45				48
-0.3 TO -0.2			1				1
-0.4 TO -0.3							
-0.6 TO -0.4			1				1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		15.7	147.1	0.9			163.7

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8							
0.6 TO 0.6							
0.5 TO 0.5							
0.4 TO 0.4							
0.3 TO 0.4		1					1
0.2 TO 0.3		2	1				3
0.1 TO 0.2		44	8				52
-0.2 TO -0.1		31	6				37
-0.3 TO -0.2		4	1				5
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		46.5	72.8				171.3

Altitude: 30 000 feet and Above

NO ENTRIES

FLT TIME (MIN)		16.9	1.4				18.2

Table 116

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8			2	2			4
0.5 TO 0.6			4	10			14
0.4 TO 0.5	5	9	18	29			61
0.3 TO 0.4	23	55	65	99	2		244
0.2 TO 0.3	100	176	221	356	6		937
0.1 TO 0.2	1165	724	751	916	7		3563
-0.2 TO -0.1	952	451	710	1001	8		3322
-0.3 TO -0.2	143	113	177	359	1		793
-0.4 TO -0.3	5	22	39	97			163
-0.6 TO -0.4	3	5	11	25			44
-0.8 TO -0.6		1		1			2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	487.7	265.9	242.6	134.1	0.6		1131.0

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 AND 350 ABOVE	TOTAL DELTA NZ
ABOVE 1.8						
1.6 TO 1.8						
1.4 TO 1.6						
1.2 TO 1.4						
1.0 TO 1.2						
0.8 TO 1.0			4	2	1	7
0.6 TO 0.8	4	6	5	1		16
0.5 TO 0.6	5	16	30	22		73
0.4 TO 0.5	23	82	95	50		250
0.3 TO 0.4	176	300	478	245		1199
0.2 TO 0.3	751	1182	1819	771		4522
0.1 TO 0.2						
-0.2 TO -0.1	689	1181	1677	726		4273
-0.3 TO -0.2	119	224	482	265		1010
-0.4 TO -0.3	18	47	97	89		251
-0.6 TO -0.4	4	14	23	30		71
-0.8 TO -0.6	1		3	1		5
-1.0 TO -0.8						
BELOW -1.0						
FLT TIME (MIN)	311.2	664.2	998.8	301.5		1273.8

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0			1				1
0.6 TO 0.8		1	5	2			8
0.5 TO 0.6		1	25	7			33
0.4 TO 0.5		13	96	14			123
0.3 TO 0.4	3	48	289	73			413
0.2 TO 0.3	16	308	1314	255			1893
0.1 TO 0.2							
-0.2 TO -0.1	14	288	1323	229			1854
-0.3 TO -0.2	2	65	363	49			479
-0.4 TO -0.3		9	72	11			92
-0.6 TO -0.4		1	25	4			30
-0.8 TO -0.6			2				2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	9.0	278.6	507.5	140.5			935.7

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8		1					1
0.5 TO 0.6							
0.4 TO 0.5		1	4				5
0.3 TO 0.4		6	14	1			21
0.2 TO 0.3		27	73	5			105
0.1 TO 0.2	1	132	358	47			538
-0.2 TO -0.1		130	331	32			493
-0.3 TO -0.2		24	58	3			85
-0.4 TO -0.3		2	10	1			13
-0.6 TO -0.4			7				7
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	3.0	100.4	641.4	72.0			937.6

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6		1					1
0.4 TO 0.5		1	4				5
0.3 TO 0.4	1	7	37	1			46
0.2 TO 0.3	4	55	247	4			310
-0.2 TO -0.1	7	42	243	10			302
-0.3 TO -0.2		6	30	2			38
-0.4 TO -0.3			4				4
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	10.1	129.4	1174.9	18.7			1353.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8			1				1
0.5 TO 0.6			2				2
0.4 TO 0.5		1	12				13
0.3 TO 0.4		4	65				69
0.2 TO 0.3		126	529				655
0.1 TO 0.2							
-0.2 TO -0.1	2	109	546				657
-0.3 TO -0.2		12	55				67
-0.4 TO -0.3		1	7				8
-0.6 TO -0.4			3				3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	8.2	446.0	1352.5	3.9			1810.6

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8			1				1
0.5 TO 0.6		2					2
0.4 TO 0.5		6	1				7
0.3 TO 0.4		18	6				26
0.2 TO 0.3		85	34				119
0.1 TO 0.2		693	312				995
-0.2 TO -0.1		550	245				795
-0.3 TO -0.2		87	30				117
-0.4 TO -0.3		13	3				16
-0.6 TO -0.4		8	2				10
-0.8 TO -0.6		1	2				3
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	3.9	2303.0	1306.9				3613.8

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		3					3
0.1 TO 0.2		64	9				73
-0.2 TO -0.1		49	8				57
-0.3 TO -0.2		8					8
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	222.0	365.4	172.4				759.8

Table 117

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4				1			1
0.8 TO 1.0				1			1
0.6 TO 0.8	1	2	14	17			34
0.5 TO 0.6	3	7	51	60			121
0.4 TO 0.5	11	35	210	212	1		469
0.3 TO 0.4	74	148	718	735	4		1671
0.2 TO 0.3	497	700	2641	2927	13		5878
0.1 TO 0.2	3018	2759	7904	4117	34		17322
-0.2 TO -0.1	2550	2250	7361	4274	34		16470
-0.3 TO -0.2	312	463	2374	1951	8		5108
-0.4 TO -0.3	39	85	567	612	3		1306
-0.6 TO -0.4	18	19	164	199	2		394
-0.8 TO -0.6	1		9	10			20
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1375.4	806.7	1685.1	400.9	5.2		3873.4

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1	9	3			13
0.5 TO 0.6		7	35	14			56
0.4 TO 0.5	3	20	111	30			177
0.3 TO 0.4	37	114	503	156			810
0.2 TO 0.3	250	651	1899	520	1		3261
0.1 TO 0.2	1304	2718	5121	1315	15		10563
-0.2 TO -0.1	4318	2685	5265	1372	14		10566
-0.3 TO -0.2	283	505	1499	499	1		2787
-0.4 TO -0.3	22	63	305	138	1		609
-0.6 TO -0.4	2	20	117	46			185
-0.8 TO -0.6			4	6			10
-1.0 TO -0.8			1				1
BELOW -1.0							
FLT TIME (MIN)	650.2	1284.0	1209.2	247.7	1.8		3392.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8	1		2	1			4
0.5 TO 0.6		2	6	3			11
0.4 TO 0.5		7	38	7			52
0.3 TO 0.4	1	30	145	28			204
0.2 TO 0.3	22	155	569	91	3		840
0.1 TO 0.2	114	874	2472	340	9		3809
-0.2 TO -0.1	92	684	2524	387	3		3688
-0.3 TO -0.2	6	128	550	88			762
-0.4 TO -0.3	1	34	123	17			175
-0.6 TO -0.4		6	39	10			55
-0.8 TO -0.6		1	2				3
-1.0 TO -0.8			3				3
BELOW -1.0							
FLT TIME (MIN)	63.2	248.1	1334.1	314.3	1.6		2533.4

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8			1				1
0.5 TO 0.6		4	1				5
0.4 TO 0.5		2	19				21
0.3 TO 0.4		3	53	3			59
0.2 TO 0.3	3	27	189	17			236
0.1 TO 0.2	3	197	933	106			1234
-0.2 TO -0.1	6	230	807	99			1142
-0.3 TO -0.2	1	24	155	21			201
-0.4 TO -0.3		13	48				61
-0.6 TO -0.4		3	27				30
-0.8 TO -0.6			2				2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	22.5	784.7	1481.4	209.6	0.3		2418.6

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6				1			1
0.4 TO 0.5			2	3	1		6
0.3 TO 0.4			1	14	1		16
0.2 TO 0.3			6	50	11		69
0.1 TO 0.2	18	108	435	49			610
-0.2 TO -0.1	4	103	395	38			540
-0.3 TO -0.2	4	12	69	2			87
-0.4 TO -0.3			11				11
-0.6 TO -0.4			2	1			3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	32.3	775.9	2191.8	163.5			3163.6

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8				1			1
0.5 TO 0.6				2			2
0.4 TO 0.5				8			8
0.3 TO 0.4			8	36			44
0.2 TO 0.3		61	153				214
0.1 TO 0.2	10	677	1145	4			1836
-0.2 TO -0.1	6	622	943	8			1579
-0.3 TO -0.2		58	100	2			160
-0.4 TO -0.3		6	27				33
-0.6 TO -0.4		1	15				16
-0.8 TO -0.6			1				1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	40.3	2014.6	6531.1	77.5			8663.5

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6		1					1
0.4 TO 0.5	2	6	2				10
0.3 TO 0.4	3	21	2				26
0.2 TO 0.3	8	70	27				105
0.1 TO 0.2	18	767	417				1202
-0.2 TO -0.1	14	803	309				1126
-0.3 TO -0.2	8	67	28				103
-0.4 TO -0.3	5	9	1				15
-0.6 TO -0.4	1	8					9
-0.8 TO -0.6			1				1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	34.2	876.4	3578.4	1.8			11098.8

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1					1
0.5 TO 0.6							
0.4 TO 0.5		2					2
0.3 TO 0.4		8	3				11
0.2 TO 0.3		30	17				47
0.1 TO 0.2	4	315	73				392
-0.2 TO -0.1	24	293	100				417
-0.3 TO -0.2		23	12				35
-0.4 TO -0.3		4	2				6
-0.6 TO -0.4		5					5
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	308.2	2297.0	627.6				3232.2

Table 118

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 105, 000 to 115, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6			1				1
1.2 TO 1.4			3	1			4
1.0 TO 1.2		1	20	11			32
0.8 TO 1.0		4	47	29			80
0.6 TO 0.8	1	11	230	85	2		343
0.4 TO 0.6	24	128	958	244	9		1333
0.2 TO 0.4	275	856	2712	838	16		4597
0.0 TO 0.2	1967	2709	7216	2241	47		14180
-0.2 TO -0.1	1732	2463	7227	2174	40		13616
-0.3 TO -0.2	185	437	2414	828	10		3874
-0.4 TO -0.3	26	84	679	245	2		1035
-0.6 TO -0.4	1	11	175	60			247
-0.8 TO -0.6			15	2			17
-1.0 TO -0.8			1				1
BELOW -1.0			1				1
FLT TIME (MIN)	1242.3	960.7	1113.9	270.7	2.3		3570.4

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0			4	2			6
0.6 TO 0.8	1	4	15	8			28
0.4 TO 0.6	4	25	94	14			137
0.2 TO 0.4	20	131	410	90	1		652
0.0 TO 0.2	183	693	1598	343	2		2829
-0.2 TO -0.1	1229	3388	5418	1454	6		11494
-0.3 TO -0.2	1161	3396	5492	1303	4		11356
-0.4 TO -0.3	172	603	1437	360			2572
-0.6 TO -0.4	26	138	371	75	1		501
-0.8 TO -0.6	4	17	84	21			136
-1.0 TO -0.8			3	3			6
BELOW -1.0							
FLT TIME (MIN)	815.3	1581.6	1536.2	429.3	0.7		4162.8

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8			1				1
0.6 TO 0.6		1	4	1			6
0.4 TO 0.5		6	27				33
0.3 TO 0.4	1	29	98	6			134
0.2 TO 0.3	24	151	472	42			689
0.1 TO 0.2	168	1003	2259	244			3614
-0.2 TO -0.1	93	1018	2278	189			3578
-0.3 TO -0.2	9	156	417	30			615
-0.4 TO -0.3	2	15	76	3			100
-0.6 TO -0.4		9	24				32
-0.8 TO -0.6			5				5
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	95.2	1534.3	1593.6	246.6	29.6		3399.2

Altitude: 10 000 to 15 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8			1				1
0.6 TO 0.6			2	2	1		5
0.4 TO 0.5				11	1		12
0.3 TO 0.4			14	22	7		43
0.2 TO 0.3	3	53	105	30			190
0.1 TO 0.2	2	352	700	158			1212
-0.2 TO -0.1	15	355	637	148			1155
-0.3 TO -0.2		44	107	23			174
-0.4 TO -0.3		6	19	1			26
-0.6 TO -0.4		5	11	1			17
-0.8 TO -0.6		1	1				2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	42.2	1082.6	1878.5	290.7			3093.7

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8			1				1
0.6 TO 0.6							
0.4 TO 0.5	1		3				4
0.3 TO 0.4	2	7	23				32
0.2 TO 0.3	2	35	126	4			167
0.1 TO 0.2	22	278	1222	69			1593
-0.2 TO -0.1	14	283	1123	82			1502
-0.3 TO -0.2	3	21	175	2			201
-0.4 TO -0.3	2	8	13				23
-0.6 TO -0.4	1	1	9				11
-0.8 TO -0.6			1				1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	76.0	1212.8	3619.8	231.5			5430.8

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8							
0.6 TO 0.6			2				2
0.4 TO 0.5			1	1			2
0.3 TO 0.4			2	9			11
0.2 TO 0.3	1	35	58				94
0.1 TO 0.2	2	432	638				1072
-0.2 TO -0.1	3	471	545	7			1026
-0.3 TO -0.2		27	44				71
-0.4 TO -0.3		4	11				15
-0.6 TO -0.4		1	3				4
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	126.9	3013.6	6058.7	77.6			9868.7

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8							
0.6 TO 0.6							
0.4 TO 0.5			6				6
0.3 TO 0.4			55	20			75
0.2 TO 0.3	6	1070	614				1690
-0.2 TO -0.1	13	870	390	1			1272
-0.3 TO -0.2		55	25				80
-0.4 TO -0.3		4	1				5
-0.6 TO -0.4		4	1				5
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	174.0	9961.5	3140.6	8.6			13968.3

Altitude: 30 000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.8			1				1
0.6 TO 0.6			2	1			3
0.4 TO 0.5			2	2			4
0.3 TO 0.4			6	10			16
0.2 TO 0.3			19	13			32
0.1 TO 0.2			39	70			109
-0.2 TO -0.1			208	279			487
-0.3 TO -0.2			236	295			531
-0.4 TO -0.3			35	60			95
-0.6 TO -0.4			13	14			27
-0.8 TO -0.6			5	13			18
-1.0 TO -0.8				2			2
BELOW -1.0							
FLT TIME (MIN)	158.6	3406.6	843.8				4407.7

Table 119

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8		1	9	4			14
0.5 TO 0.6		1	16	9			26
0.4 TO 0.5		14	87	44			145
0.3 TO 0.4	10	59	281	168			518
0.2 TO 0.3	98	287	856	354			1595
0.1 TO 0.2	660	1155	2326	[illegible]			[illegible]
-0.2 TO -0.1	559	998	2332	769			[illegible]
-0.3 TO -0.2	67	235	919	324			1545
-0.4 TO -0.3	5	42	258	108			413
-0.6 TO -0.4		7	63	31			101
-0.8 TO -0.6			5	1			6
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	447.4	524.4	[illegible]	[illegible]			1273.1

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1					1
0.5 TO 0.6		2	3	1			6
0.4 TO 0.5	1	14	18	12			45
0.3 TO 0.4	12	49	101	58			220
0.2 TO 0.3	98	159	360	204			1021
0.1 TO 0.2	608	1067	1615	730			4020
-0.2 TO -0.1	569	1638	1423	583			4313
-0.3 TO -0.2	85	265	358	188			896
-0.4 TO -0.3	9	31	80	37			157
-0.6 TO -0.4	4	8	17	13			42
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	352.6	917.1	632.4	122.7			2024.8

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		3	5	2			8
0.5 TO 0.6		1	2	2	1		6
0.4 TO 0.5		7	15	4	1		27
0.3 TO 0.4		24	48	14	6		92
0.2 TO 0.3	21	117	246	28	13		425
0.1 TO 0.2	115	811	1100	108	34		2168
-0.2 TO -0.1	97	813	1016	95	43		2059
-0.3 TO -0.2	6	136	211	19	7		379
-0.4 TO -0.3		15	28	7	4		54
-0.6 TO -0.4		5	8	1			14
-0.8 TO -0.6		2					2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	62.4	1091.4	681.7	144.3	31.6		2011.4

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0		2					2
0.6 TO 0.8			1				1
0.5 TO 0.6		1		1			2
0.4 TO 0.5		2	2				4
0.3 TO 0.4		7	7	5			19
0.2 TO 0.3		29	41	15			85
0.1 TO 0.2	3	257	297	71			628
-0.2 TO -0.1	2	242	213	81			538
-0.3 TO -0.2		36	41	11			88
-0.4 TO -0.3		8	7	1			16
-0.6 TO -0.4		4		1			5
-0.8 TO -0.6		1	1	1			3
-1.0 TO -0.8							
BELOW -1.0		1					1
FLT TIME (MIN)	22.4	1086.2	998.8	261.6	9.3		2378.2

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		1	4				5
0.3 TO 0.4		3	14				17
0.2 TO 0.3		15	60				75
0.1 TO 0.2	10	114	456	22			602
-0.2 TO -0.1	14	135	446	19			614
-0.3 TO -0.2	2	14	67				83
-0.4 TO -0.3		2	10				12
-0.6 TO -0.4		1	5				6
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	55.8	1696.5	1082.4	67.5			2900.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4		2	5				7
0.2 TO 0.3		5	20				25
0.1 TO 0.2	5	124	368	2			499
-0.2 TO -0.1	7	101	288				396
-0.3 TO -0.2		14	21				35
-0.4 TO -0.3		3	2				5
-0.6 TO -0.4							
-0.8 TO -0.6			1				1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	90.6	2086.5	3795.2	23.7			5986.1

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			2				2
0.4 TO 0.5			2				2
0.3 TO 0.4		2	7				9
0.2 TO 0.3		26	57				83
0.1 TO 0.2	11	359	345				715
-0.2 TO -0.1	6	333	335				674
-0.3 TO -0.2		10	51				69
-0.4 TO -0.3		6	12				18
-0.6 TO -0.4			3				3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	43.8	6550.7	1070.0				9664.8

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4		1	5				6
0.2 TO 0.3		17	21				38
0.1 TO 0.2	2	245	215				462
-0.2 TO -0.1	4	231	190				425
-0.3 TO -0.2		15	20				35
-0.4 TO -0.3			3				3
-0.6 TO -0.4			3				3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	25.3	1529.1	587.0				2142.2

Table 120

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5	1	1	2				4
0.3 TO 0.4	10	8	7				25
0.2 TO 0.3	24	64	28				116
0.1 TO 0.2	173	478	144	1			796
-0.2 TO -0.1	142	348	180				670
-0.3 TO -0.2	20	50	30				100
-0.4 TO -0.3	2	4	4				10
-0.6 TO -0.4		1					1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	177.1	224.1	49.9	26.5			477.9

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		1	3	2			6
0.3 TO 0.4	2	12	10	16			40
0.2 TO 0.3	12	98	61	36			199
0.1 TO 0.2	114	440	281	100			935
-0.2 TO -0.1	91	427	319	89			926
-0.3 TO -0.2	10	57	51	32			150
-0.4 TO -0.3	2	7	7	8			24
-0.6 TO -0.4			4	2			6
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	66.8	385.3	158.9	10.6			618.6

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		1					1
0.3 TO 0.4		15	4				19
0.2 TO 0.3	1	54	15	1			71
0.1 TO 0.2	32	361	72	10			475
-0.2 TO -0.1	14	335	68	13			430
-0.3 TO -0.2		47	6				53
-0.4 TO -0.3		9	1				10
-0.6 TO -0.4		4		2			6
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	10.2	663.5	219.4	26.7			930.8

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0					1		1
0.6 TO 0.8							
0.5 TO 0.6			2				2
0.4 TO 0.5			7		1		8
0.3 TO 0.4		2	17	1	5		25
0.2 TO 0.3	17	111	45	14			187
0.1 TO 0.2							
-0.2 TO -0.1	10	100	46	9			173
-0.3 TO -0.2		11	3	2			16
-0.4 TO -0.3		4		1			5
-0.6 TO -0.4		1		1			2
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	22.3	694.1	419.3	30.3			1126.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3		9	4				13
0.1 TO 0.2	13	55	59	2			129
-0.2 TO -0.1	9	52	59				120
-0.3 TO -0.2		15	4				19
-0.4 TO -0.3		1	1				2
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	50.5	821.4	1151.7	3.8			2027.4

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2	1	39	23				63
-0.2 TO -0.1	1	24	8				33
-0.3 TO -0.2	1	2					3
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	71.3	1209.9	1312.6	2.0			2591.8

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3		12	4				16
0.1 TO 0.2		97	23				120
-0.2 TO -0.1	4	98	17				119
-0.3 TO -0.2	1	6	1				8
-0.4 TO -0.3		2	1				3
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	57.9	1708.7	444.5				2211.1

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		NO ENTRIES					
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		234.8	44.0				278.8

Table 121

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 75, 000 to 85, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8				3			3
0.5 TO 0.6				3	13		16
0.4 TO 0.5	2	1		14	34		51
0.3 TO 0.4	7	9		52	88		156
0.2 TO 0.3	48	48	111	277			476
0.1 TO 0.2	270	175	200	541			1186
-0.2 TO -0.1	276	189	173	526			1164
-0.3 TO -0.2	58	27	129	209			423
-0.4 TO -0.3	10	10	47	85			152
-0.6 TO -0.4	1	3	11	34			49
-0.8 TO -0.6				3			3
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	150.7	121.8	20.9	57.1			350.3

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8				2			2
0.5 TO 0.6			2	6			8
0.4 TO 0.5		1	7	13			21
0.3 TO 0.4	1		17	46			64
0.2 TO 0.3	8	23	54	77			162
0.1 TO 0.2	73	89	137	188			487
-0.2 TO -0.1	68	99	145	208			512
-0.3 TO -0.2	7	15	59	85			166
-0.4 TO -0.3	2		15	45			62
-0.6 TO -0.4			13	23			36
-0.8 TO -0.6			1	5			6
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	52.1	58.9	57.8	24.8			193.6

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			2				2
0.4 TO 0.5			6				6
0.3 TO 0.4			13				13
0.2 TO 0.3			45				45
0.1 TO 0.2		3	150	3			165
-0.2 TO -0.1		5	157	6			168
-0.3 TO -0.2		3	45				48
-0.4 TO -0.3		1	13				14
-0.6 TO -0.4		1	10				11
-0.8 TO -0.6			1				1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		0.3	57.4	3.5			61.2

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			1				1
0.1 TO 0.2			8	7			15
-0.2 TO -0.1			3	7			10
-0.3 TO -0.2				4			4
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)			1.1	2.6			3.7

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3				6			6
0.1 TO 0.2			1	28			29
-0.2 TO -0.1			1	22			23
-0.3 TO -0.2				7			7
-0.4 TO -0.3				2			2
-0.6 TO -0.4				1			1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		0.5	0.9	38.5			39.8

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		4.2					4.2

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		3.1					3.1

Altitude: 30, 000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		22.0					22.0

Table 122

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 85, 000 to 95, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0				7			7
0.6 TO 0.8		1	10	26			37
0.5 TO 0.6		3	32	63			98
0.4 TO 0.5	7	12	134	240			413
0.3 TO 0.4	31	38	452	606			1127
0.2 TO 0.3	171	203	1563	1465			3402
0.1 TO 0.2	1033	742	3935	3386			9096
-0.2 TO -0.1	1049	692	3989	3512			9242
-0.3 TO -0.2	112	126	1528	1428			3594
-0.4 TO -0.3	16	20	426	626			1088
-0.6 TO -0.4	3	2	157	313			475
-0.8 TO -0.6			11	20			31
-1.0 TO -0.8			1	1			2
BELOW -1.0							
FLT TIME (MIN)	549.4	454.0	523.2	321.9			1888.6

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8							
0.5 TO 0.6		2	8	7			17
0.4 TO 0.5		4	33	29			66
0.3 TO 0.4	9	25	119	116			269
0.2 TO 0.3	92	83	498	499			1062
0.1 TO 0.2	484	567	1851	1278			4160
-0.2 TO -0.1	547	624	1868	1186	2		4227
-0.3 TO -0.2	74	117	487	350			1028
-0.4 TO -0.3	7	22	96	105			229
-0.6 TO -0.4		4	28	24			56
-0.8 TO -0.6				2			2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	373.0	385.5	528.9	195.9	0.2		1483.6

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8			1				1
0.5 TO 0.6				2			2
0.4 TO 0.5			2	5			7
0.3 TO 0.4			5	23			28
0.2 TO 0.3		2	45	79			126
0.1 TO 0.2	12	48	219	250			529
-0.2 TO -0.1	13	45	148	258			514
-0.3 TO -0.2		3	31	57			91
-0.4 TO -0.3			6	16			22
-0.6 TO -0.4			1	5			6
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	21.2	56.4	172.9	85.8			336.3

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0				1	1		2
0.6 TO 0.8				2	3		5
0.5 TO 0.6				1	4		5
0.4 TO 0.5				3	11		14
0.3 TO 0.4				4	11		15
0.2 TO 0.3			4	15	15		34
0.1 TO 0.2			15	38	44		97
-0.2 TO -0.1			17	44	39		105
-0.3 TO -0.2			2	11	16		29
-0.4 TO -0.3				4	16		20
-0.6 TO -0.4				1	8		9
-0.8 TO -0.6				1	2		3
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.8	54.6	111.2	37.9			206.5

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4			2				2
0.2 TO 0.3			14				14
0.1 TO 0.2			59	15			74
-0.2 TO -0.1		2	71	7			80
-0.3 TO -0.2			4				4
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	8.0	37.9	204.7	20.7			271.3

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			1				1
0.1 TO 0.2		5	45				50
-0.2 TO -0.1		1	37	1			39
-0.3 TO -0.2			4				4
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1.5	156.3	462.2	3.0			623.0

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		2	1				3
0.1 TO 0.2		11	46				57
-0.2 TO -0.1		18	39				57
-0.3 TO -0.2		1	4				5
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		179.4	150.9				330.3

Altitude: 30, 000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			1				1
0.1 TO 0.2	1	11					12
-0.2 TO -0.1		4					4
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	157.4	718.2	23.9				899.5

Table 123

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0				1			1
0.6 TO 0.8		1	6	7			14
0.5 TO 0.6	3	10	25	26			64
0.4 TO 0.5	14	38	133	88			273
0.3 TO 0.4	88	222	531	363			1204
0.2 TO 0.3	606	904	1930	1222			4662
0.1 TO 0.2	3319	2939	5570	3027			14855
-0.2 TO -0.1	3164	2833	5755	3184			14936
-0.3 TO -0.2	445	735	1661	1084			3925
-0.4 TO -0.3	59	140	393	311			903
-0.6 TO -0.4	6	34	96	61			197
-0.8 TO -0.6			6	3			9
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1313.9	866.5	1176.0	332.5			3689.0

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0				1	1		2
0.6 TO 0.8		1	9	5			16
0.5 TO 0.6	1	12	18	14			45
0.4 TO 0.5	6	41	94	61	1		201
0.3 TO 0.4	23	175	312	210	2		722
0.2 TO 0.3	209	778	1256	621	6		2868
0.1 TO 0.2	1162	2869	4551	2107	16		10705
-0.2 TO -0.1	1276	3048	4759	1919	20		11022
-0.3 TO -0.2	179	637	1190	572	7		2594
-0.4 TO -0.3	22	146	319	170			657
-0.6 TO -0.4	2	15	94	49	1		161
-0.8 TO -0.6		2	4	4			10
-1.0 TO -0.8				2			2
BELOW -1.0							
FLT TIME (MIN)	572.5	1044.0	1228.3	328.1	3.2		3176.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8				1			1
0.5 TO 0.6		2					2
0.4 TO 0.5		2	7	1			10
0.3 TO 0.4		7	30	12			49
0.2 TO 0.3		37	101	39			177
0.1 TO 0.2	2	184	540	219	4		949
-0.2 TO -0.1	1	201	559	196	4		961
-0.3 TO -0.2		30	87	43			160
-0.4 TO -0.3		4	19	10			33
-0.6 TO -0.4		2	10	8			20
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	4.7	282.7	556.0	221.2	1.0		1065.6

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			2				2
0.3 TO 0.4			3				3
0.2 TO 0.3		10	12	2			24
0.1 TO 0.2		90	75	11			176
-0.2 TO -0.1		78	91	11			190
-0.3 TO -0.2		7	18				25
-0.4 TO -0.3		1	1				2
-0.6 TO -0.4		1	2				3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	9.9	242.4	463.8	134.6			850.7

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8				1			1
0.5 TO 0.6							
0.4 TO 0.5				2			2
0.3 TO 0.4		3	5				8
0.2 TO 0.3		6	8	1			15
0.1 TO 0.2	3	28	103	4			138
-0.2 TO -0.1	2	41	102				145
-0.3 TO -0.2		6	15	1			22
-0.4 TO -0.3		1	4				5
-0.6 TO -0.4			1				1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	32.0	283.6	262.5	10.7			588.9

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4		1	4				5
0.2 TO 0.3	2	6	18				26
0.1 TO 0.2	3	83	129	1			216
-0.2 TO -0.1	13	79	95	1			188
-0.3 TO -0.2	2	4	11				17
-0.4 TO -0.3			3				3
-0.6 TO -0.4			2				2
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	79.6	418.1	693.8	.3			1192.7

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		18	56				74
-0.2 TO -0.1		8	26				34
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	23.2	794.6	247.7				1065.5

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		4					4
0.2 TO 0.3		25					25
0.1 TO 0.2		248					248
-0.2 TO -0.1		216	5				221
-0.3 TO -0.2		4					4
-0.4 TO -0.3		1					1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	542.1	1787.6	110.0				2439.7

Table 124

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			2				2
0.6 TO 0.8		3	21	11			35
0.5 TO 0.6	3	4	62	51			120
0.4 TO 0.5	7	22	195	200			424
0.3 TO 0.4	45	126	818	904			1893
0.2 TO 0.3	219	697	2522	2761			6199
0.1 TO 0.2	1173	2309	5491	5584			14737
-0.2 TO -0.1	1064	2134	5446	5208			13874
-0.3 TO -0.2	171	506	2071	2433			5181
-0.4 TO -0.3	24	109	626	785			1544
-0.6 TO -0.4	2	40	191	219			452
-0.8 TO -0.6		1	15	12			28
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	650.3	571.8	802.2	452.2			2486.6

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8			5				5
0.5 TO 0.6		2	9	5			16
0.4 TO 0.5		6	61	10			77
0.3 TO 0.4	1	44	211	90			326
0.2 TO 0.3	67	281	750	172	1		1250
0.1 TO 0.2	415	1334	2108	558	15		4510
-0.2 TO -0.1	362	1349	2167	595	14		4477
-0.3 TO -0.2	35	323	745	187	1		1291
-0.4 TO -0.3	1	57	231	53			342
-0.6 TO -0.4		13	78	8			91
-0.8 TO -0.6		1	5				6
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	235.6	446.2	688.7	137.3	1.4		1671.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8			1				1
0.5 TO 0.6			2				2
0.4 TO 0.5			2				2
0.3 TO 0.4		2	25	5			32
0.2 TO 0.3		4	70	16			90
0.1 TO 0.2		63	301	80			534
-0.2 TO -0.1		77	387	81			545
-0.3 TO -0.2		8	84	14			106
-0.4 TO -0.3		1	14	3			18
-0.6 TO -0.4			10	2			12
-0.8 TO -0.6			1	1			2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.9	297.3	492.9	118.8			871.6

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			1				1
0.2 TO 0.3			6	7			13
0.1 TO 0.2			55	79	5		139
-0.2 TO -0.1	1		70	67	1		139
-0.3 TO -0.2			4	3			7
-0.4 TO -0.3			3	2			5
-0.6 TO -0.4				1			1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	13.7	320.7	301.8	26.9			567.2

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			3				3
0.3 TO 0.4			2				2
0.2 TO 0.3	1	4	12				17
0.1 TO 0.2	1	35	43	1			80
-0.2 TO -0.1	3	50	40	2			95
-0.3 TO -0.2		4	14				18
-0.4 TO -0.3		1	4				5
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	36.3	204.6	240.2	21.1			502.3

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4			4				4
0.2 TO 0.3			29	44			73
0.1 TO 0.2							
-0.2 TO -0.1	2	41	48				91
-0.3 TO -0.2		10	5				15
-0.4 TO -0.3		1					1
-0.6 TO -0.4		1					1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	12.0	200.0	697.9				1291.1

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		15	2				17
0.1 TO 0.2		132	37				169
-0.2 TO -0.1		90	35				125
-0.3 TO -0.2		14	2				16
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	9.7	1050.0	174.7				1243.2

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		2	6				8
0.1 TO 0.2		5	61				66
-0.2 TO -0.1		4	100	2			116
-0.3 TO -0.2		2	6				8
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	110.9	909.6	30.9				1033.0

Table 125

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8				5	1		6
0.5 TO 0.6			1	8	7		16
0.4 TO 0.5			2	61	30		93
0.3 TO 0.4	5	6	198	185			394
0.2 TO 0.3	13	49	750	718			1530
0.1 TO 0.2	135	216	1029	2172			4352
-0.2 TO -0.1	110	235	1411	2179			4335
-0.3 TO -0.2	10	39	697	743			1489
-0.4 TO -0.3	3	7	205	146			361
-0.6 TO -0.4		2	62	40			104
-0.8 TO -0.6			3	2			5
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	93.8	77.3	179.4	205.8			555.3

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8		1		1			2
0.5 TO 0.6							
0.4 TO 0.5			4	4			8
0.3 TO 0.4	1	6	14	21			42
0.2 TO 0.3	14	12	62	138			226
0.1 TO 0.2	24	91	337	449			901
-0.2 TO -0.1	40	96	268	355			759
-0.3 TO -0.2	11	15	64	98			188
-0.4 TO -0.3	2	3	16	15			36
-0.6 TO -0.4		2	2	5			9
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	26.0	37.3	66.4	57.7			217.5

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		1					1
0.3 TO 0.4							
0.2 TO 0.3		1	1				2
0.1 TO 0.2	1	19	12	1			33
-0.2 TO -0.1	1	13	4				18
-0.3 TO -0.2	1	2	1				4
-0.4 TO -0.3		1					1
-0.6 TO -0.4		1					1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.0	111.7	10.5	3.2			147.3

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3				4			4
0.1 TO 0.2		12		5			17
-0.2 TO -0.1		1		4			5
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	60.9	3.5	2.1				66.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		1					1
0.1 TO 0.2		11	1	3			15
-0.2 TO -0.1		5	2				7
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	5.6	70.8	7.0	3.2			85.8

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		3	1				4
0.1 TO 0.2	28	69	23				120
-0.2 TO -0.1	8	61	12				81
-0.3 TO -0.2		2					2
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	5.7	121.2	289.6	2.0			418.5

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			2	3			5
0.3 TO 0.4	2	12	3				17
0.2 TO 0.3	28	80	28				136
0.1 TO 0.2	13	34	12				59
-0.2 TO -0.1	1	2	5				8
-0.3 TO -0.2		3	2				5
-0.4 TO -0.3		1	1				2
-0.6 TO -0.4			1				1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	14.7	230.9	11.0				256.5

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2	NO ENTRIES						
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	20.1	21.2					41.3

Table 126

C-130B — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6			1				1
0.6 TO 0.5							
0.5 TO 0.4			10	2			12
0.4 TO 0.3		2	24	13			39
0.3 TO 0.2	1	8	101	60			170
0.2 TO 0.1	10	37	226	216			489
-0.2 TO -0.1	9	40	305	163			517
-0.3 TO -0.2	1	3	128	54			186
-0.4 TO -0.3			26	8			34
-0.6 TO -0.4			7	2			9
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	5.9	6.7	29.9	20.4			63.9

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6			4				4
0.6 TO 0.5		1	22	14			37
0.5 TO 0.4		4	89	117			210
0.4 TO 0.3		46	312	394			752
-0.2 TO -0.1	3	38	241	404			686
-0.3 TO -0.2		5	73	87			165
-0.4 TO -0.3		1	12	23			36
-0.6 TO -0.4			4	2			6
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.9	13.4	38.4	48.8			101.6

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.8 TO 1.6							
1.6 TO 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3							
0.3 TO 0.2	NO ENTRIES						
0.2 TO 0.1							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	17.1	6.5					23.6

Altitude: 10,000 to 15,000 feet

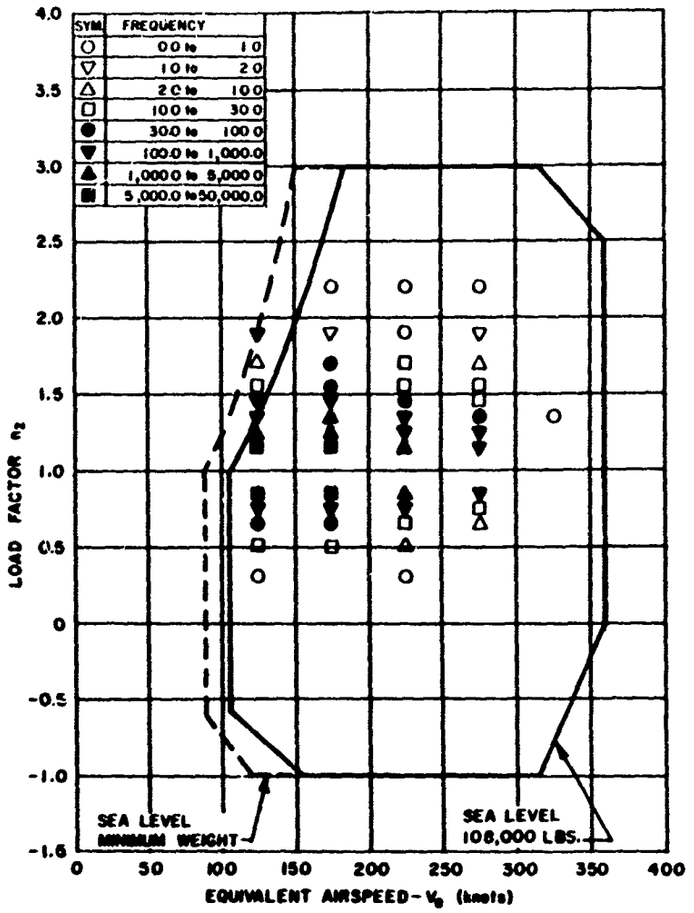
LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.8 TO 1.6							
1.6 TO 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3							
0.3 TO 0.2	NO ENTRIES						
0.2 TO 0.1							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	5.1	0.9					6.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.8 TO 1.6							
1.6 TO 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3							
0.3 TO 0.2	NO ENTRIES						
0.2 TO 0.1							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	10.0						10.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.8 TO 1.6							
1.6 TO 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3							
0.3 TO 0.2	NO ENTRIES						
0.2 TO 0.1							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	10.0	54.0					64.0



Flight Time: 1360.1 hr. No. of Flights: 436

MANEUVER LOAD FACTOR (n_z)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL NO. n_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
2.8 & ABOVE							
2.4 TO 2.8							
2.0 TO 2.4		0.82	0.91	0.82			2.55
1.8 TO 2.0	1.73	1.81	0.91	1.64			6.09
1.6 TO 1.8	7.99	32.75	11.85	5.27			57.86
1.5 TO 1.6	14.26	66.71	22.05	10.86			113.88
1.4 TO 1.5	125.59	250.96	71.16	29.57			477.28
1.3 TO 1.4	615.35	1,006.39	261.49	75.00	0.91		1,959.14
1.2 TO 1.3	2,771.55	3,787.76	972.36	216.41			7,749.08
1.1 TO 1.2	12,369.11	12,030.53	3,141.09	546.77			28,087.50
0.8 TO 0.9	5,318.42	5,201.23	1,201.37	174.74			11,895.76
0.7 TO 0.8	652.77	676.73	124.91	15.82			1,470.23
0.6 TO 0.7	89.62	95.54	18.34	4.20			197.70
0.4 TO 0.6	11.36	11.68	4.11				27.15
0.2 TO 0.4	0.82		0.82				1.64
0.0 TO 0.2							
BELOW 0.0							

Figure 40. JC-130 — Diagram and Tabulation of Maneuver Load Factors versus Equivalent Airspeed — Weighted Composite for All Missions

Table 127

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Weighted Composite for All Missions

INCREMENTAL GUST LOAD FACTOR (Δn_z)	EQUIVALENT AIRSPEED-V_e (KNOTS)						TOTAL NO. Δn_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
1.8 & ABOVE							
1.4 TO 1.8							
1.0 TO 1.4			0.82				0.82
0.8 TO 1.0	0.91	2.47	1.64				5.02
0.6 TO 0.8	0.82	21.60	6.58	1.64			30.64
0.5 TO 0.6	2.47	44.11	22.85	4.93			74.36
0.4 TO 0.5	14.23	212.91	51.73	12.50			291.37
0.3 TO 0.4	165.68	773.05	210.58	37.70			1,187.01
0.2 TO 0.3	1,038.43	3,454.55	1,037.76	250.85			5,781.59
0.1 TO 0.2	7,831.36	17,000.63	6,602.24	1,757.09	2.72		33,194.04
-0.2 TO -0.1	6,858.81	14,746.07	5,636.66	1,344.48	0.91		28,586.93
-0.3 TO -0.2	775.50	2,301.74	754.06	167.61			3,998.91
-0.4 TO -0.3	100.84	442.63	112.22	27.24			682.93
-0.6 TO -0.4	19.50	119.62	29.35	5.92			174.39
-0.8 TO -0.6		12.15	4.43				16.58
-1.0 TO -0.8	2.79	2.47	.0.82				6.08
BELOW -1.0							

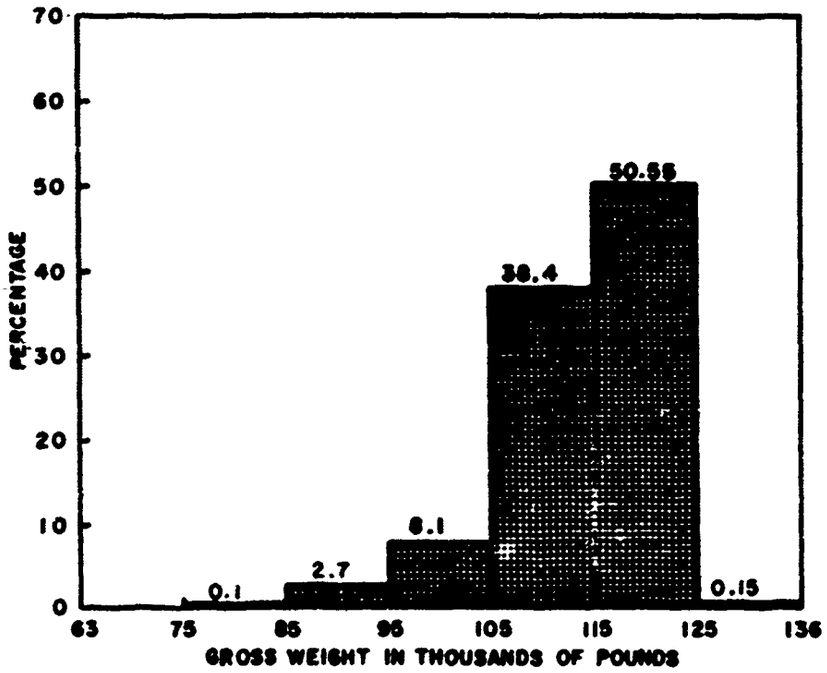


Figure 41. JC-130 — Percentages of Total Flight Time Spent in Selected Gross Weight Ranges — Composite of All Missions

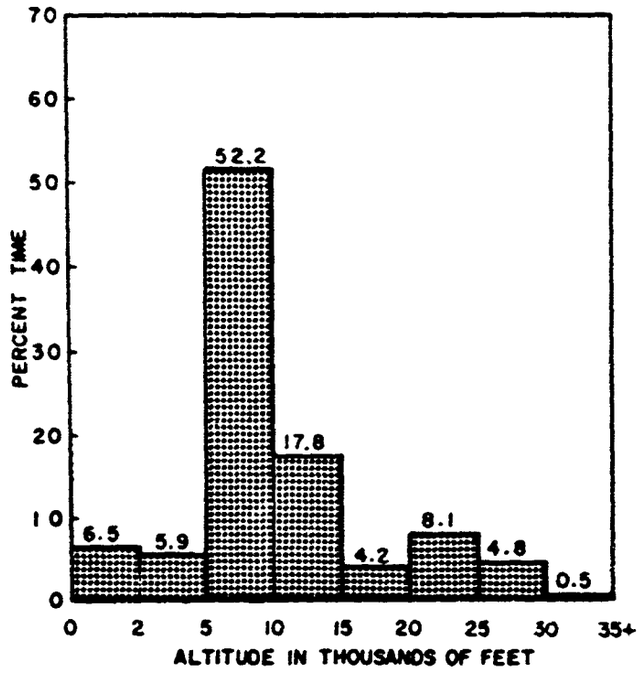


Figure 42

JC-130 — Percentages of Total Flight Time Spent at Selected Altitudes — Mission I (Airdrop)

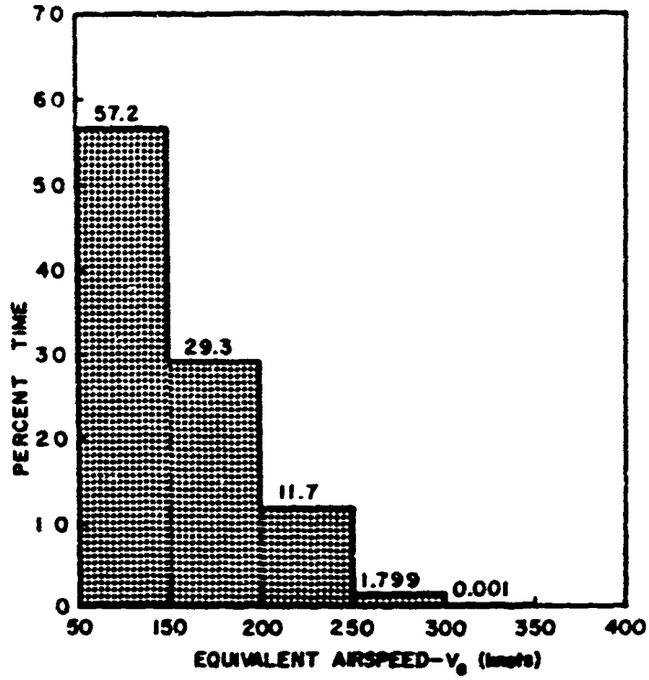


Figure 43

JC-130 — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission I (Airdrop)

Table 128

JC-130 — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission I (Airdrop)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED–V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	1,522.7	1,523.5	419.4	188.5	0.5		3,654.6
2,000- 5,000	1,046.6	1,503.0	604.9	150.6			3,305.1
5,000- 10,000	21,590.7	3,894.6	3,213.5	527.4			29,226.2
10,000- 15,000	6,836.0	1,986.6	1,040.9	87.5			9,950.9
15,000-20,000	301.9	1,537.9	480.0	43.2			2,363.1
20,000-25,000	247.5	3,618.4	659.5	10.0			4,535.3
25,000-30,000	381.1	2,204.0	133.1				2,718.2
30,000& ABOVE	126.2	155.0					281.1
TOTAL TIME (MIN.)	32,052.7	16,422.9	6,551.3	1,007.2	0.5	0.	56,034.6

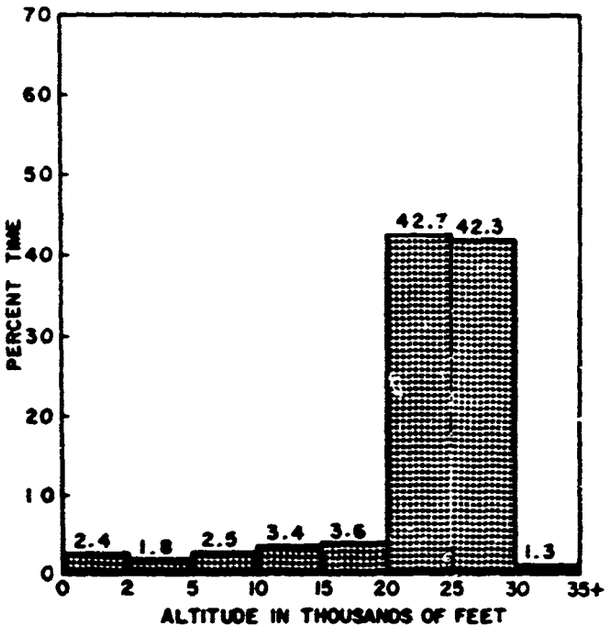


Figure 44

JC-130 — Percentages of Total Flight Time Spent at Selected Altitudes — Mission II (Logistics and Cross Country)

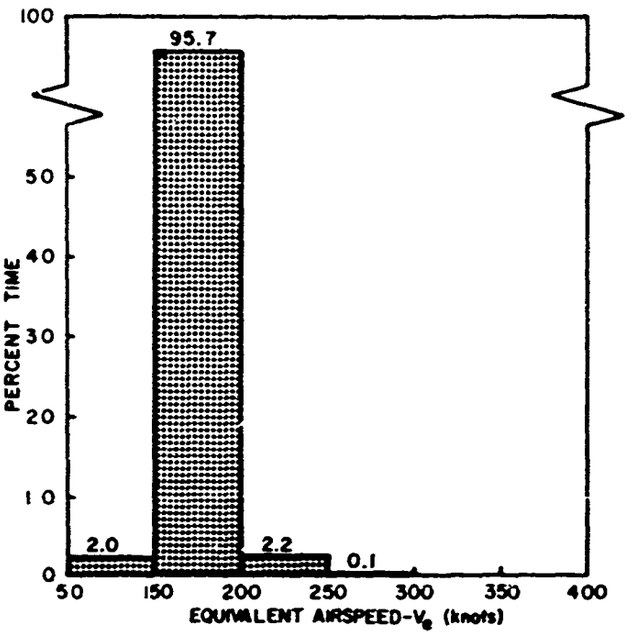


Figure 45

JC-130 — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission II (Logistics and Cross Country)

Table 129

JC-130 — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission II (Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED-V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	23.2	49.9	42.2	4.2			119.5
2,000- 5,000	5.1	61.4	23.4				89.9
5,000- 10,000	1.1	116.8	5.2				123.1
10,000- 15,000		144.8	21.5				166.3
15,000-20,000		175.8					175.8
20,000-25,000	26.2	2,073.4	13.1				2,112.5
25,000-30,000	41.6	2,046.9	4.0				2,092.5
30,000& ABOVE		64.9					64.9
TOTAL TIME (MIN)	97.0	4,733.6	109.4	4.2			4,944.5

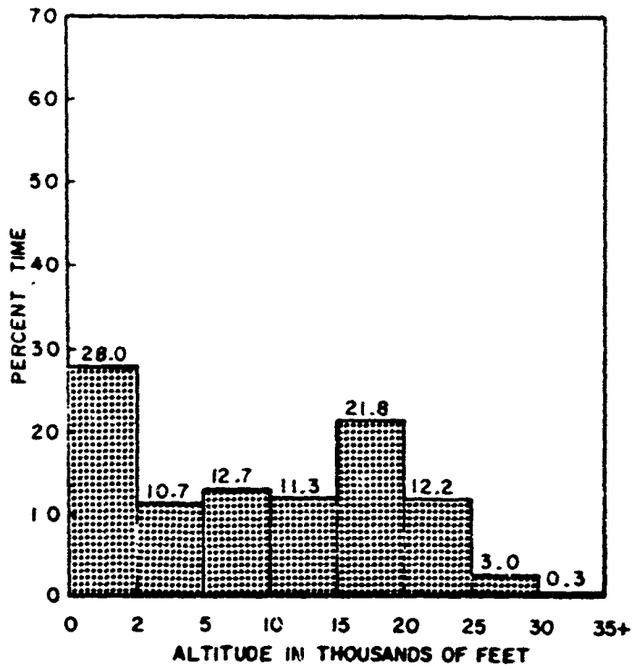


Figure 46

JC-130 — Percentages of Total Flight Time Spent at Selected Altitudes — Mission III (Training)

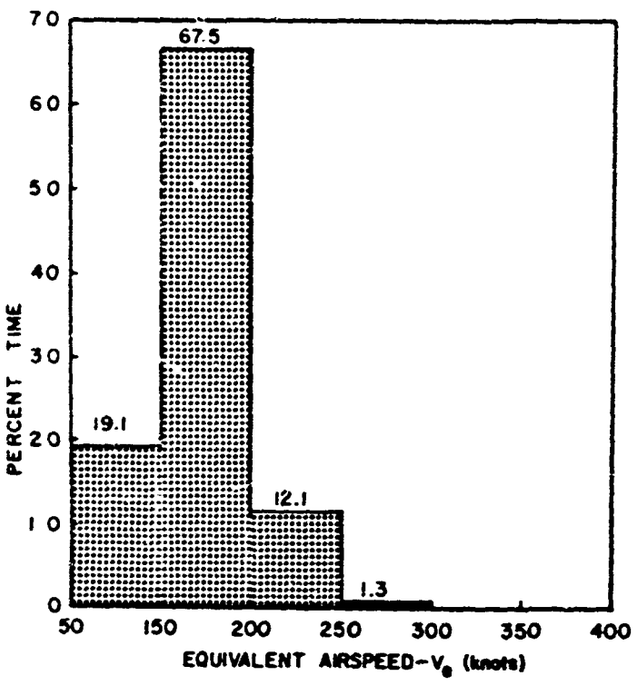


Figure 47

JC-130 — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission III (Training)

Table 130

JC-130 — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED-V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	2,139.1	3,004.1	586.9	41.2			5,771.2
2,000- 5,000	353.2	1,416.2	400.5	41.5			2,211.3
5,000- 10,000	666.6	1,261.0	551.6	136.5			2,615.7
10,000- 15,000	298.3	1,533.8	434.9	55.3			2,322.2
15,000-20,000	288.3	3,872.1	344.4	2.6			4,507.4
20,000-25,000	106.5	2,229.8	108.5				2,516.8
25,000-30,000	31.0	579.5	1.0				614.5
30,000& ABOVE	46.0	24.0					70.0
TOTAL TIME (MIN.)	3,932.0	13,920.4	2,499.7	277.0			20,629.1

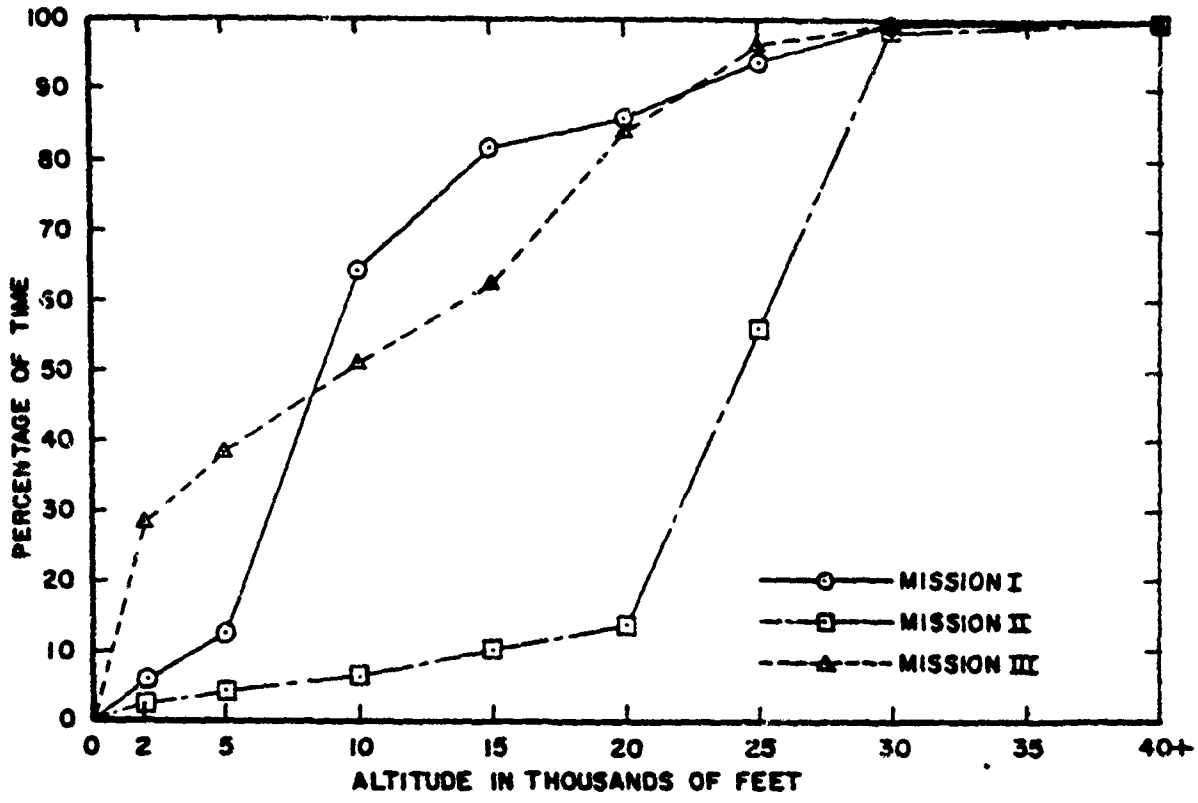


Figure 48. JC-130 — Percentages of Total Flight Time Spent Below Given Altitudes for Each Mission Type

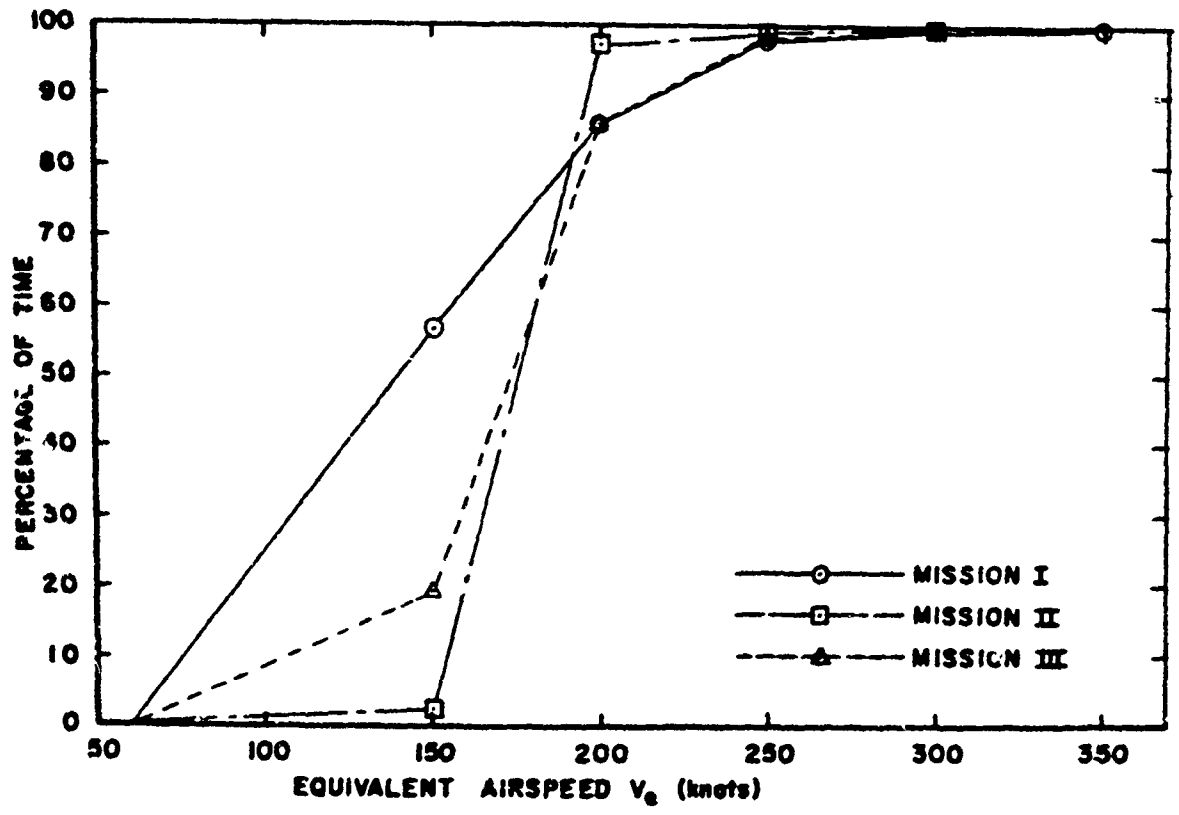


Figure 49. JC-130 — Percentages of Total Flight Time Spent Below Given Airspeeds for Each Mission Type

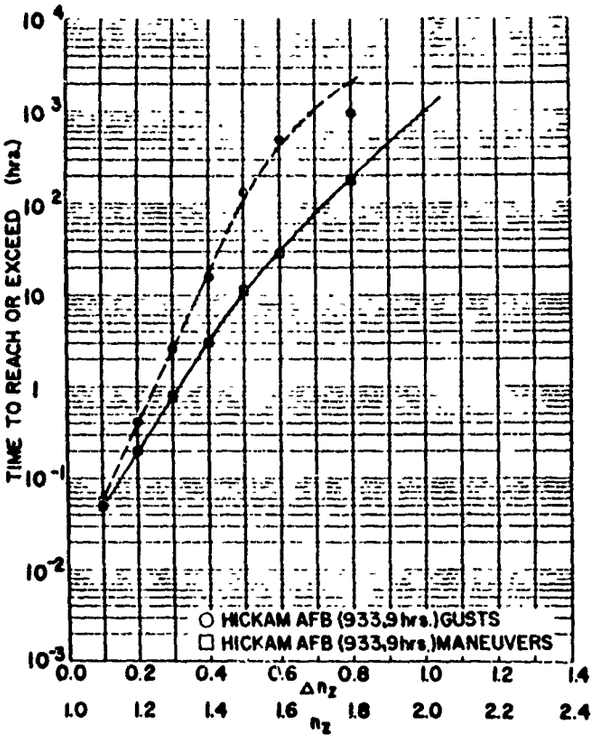


Figure 50. JC-130 — Maneuver and Gust Load Factor Exceedance Curves — Mission I (Airdrop)

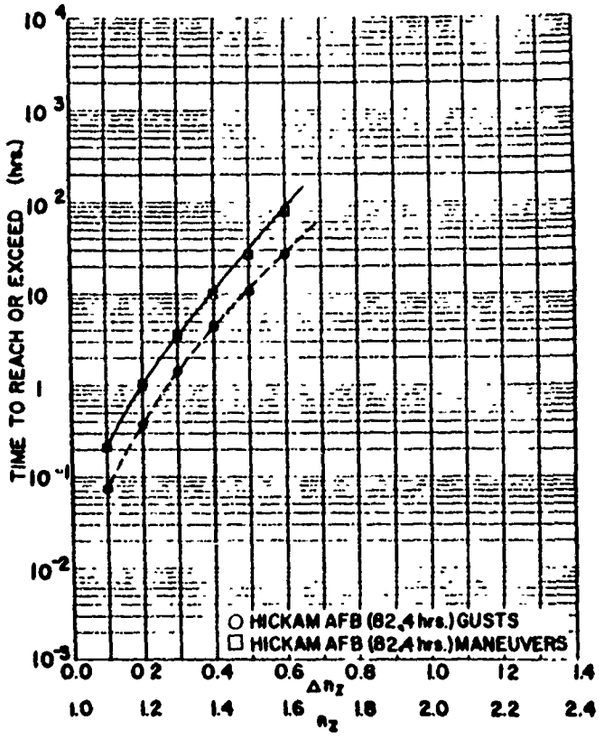


Figure 51

JC-130 — Maneuver and Gust Load Factor Exceedance Curves — Mission II (Logistics and Cross Country)

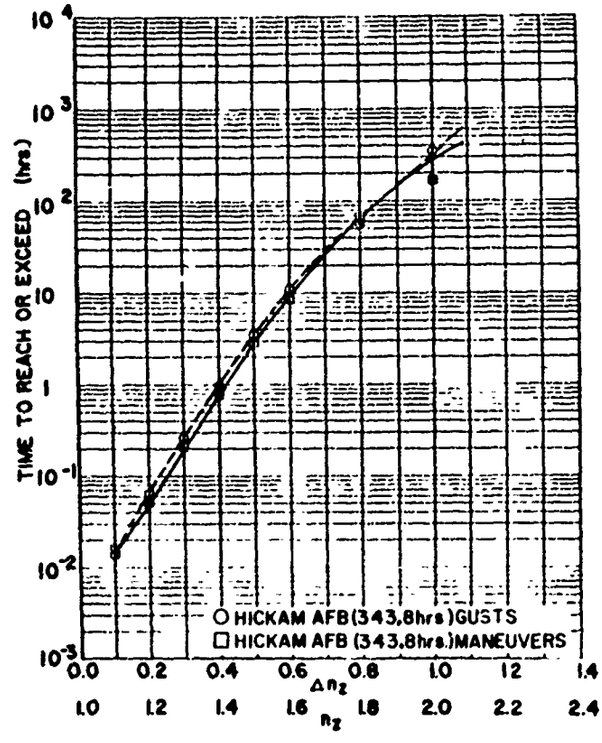


Figure 52. JC-130 — Maneuver and Gust Load Factor Exceedance Curves — Mission III (Training)

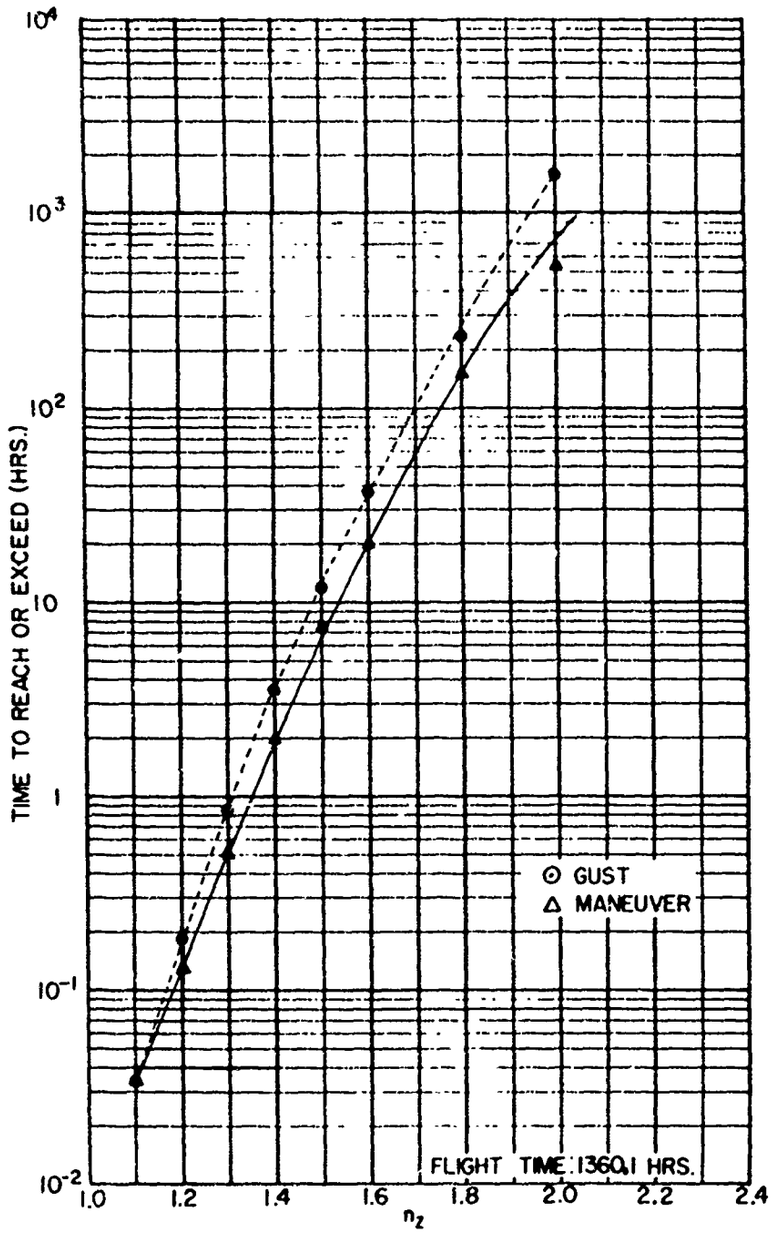


Figure 53. JC-130 — Maneuver and Gust Load Factor Exceedance Curves — Weighted Composites of All Missions

Table 131

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Hickam Air Force Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4			1				1
1.8 TO	2.0	1	2	1				4
1.6 TO	1.8	7	14	4	4			29
1.5 TO	1.6	13	23	8	2			46
1.4 TO	1.5	85	98	27	19			229
1.3 TO	1.4	470	337	100	41	1		949
1.2 TO	1.3	1812	1180	373	109			3474
1.1 TO	1.2	8333	4170	1633	317			14453
0.8 TO	0.9	3552	1938	698	112			6300
0.7 TO	0.8	433	226	48	12			719
0.6 TO	0.7	68	20	3	1			92
0.4 TO	0.6	8	2					10
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		32052.7	16422.9	6551.3	1007.2	0.5		56034.5

No. of Flights: 284

Table 132

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Hickam Air Force Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8		1					1
1.5 TO	1.6		2					2
1.4 TO	1.5		3	2				5
1.3 TO	1.4		14	2				16
1.2 TO	1.3	6	46	6				58
1.1 TO	1.2	74	224	19	1			318
0.8 TO	0.9	43	113	6				162
0.7 TO	0.8	6	10					16
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		97.0	4733.8	109.4	4.2			4944.5

No. of Flights: 28

Table 133

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission III (Training) — Hickam Air Force Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		1		1			2
1.8 TO 2.0	1			2			3
1.6 TO 1.8	2	21	10	2			35
1.5 TO 1.6	3	49	18	11			81
1.4 TO 1.5	59	187	50	15			311
1.3 TO 1.4	230	805	201	46			1282
1.2 TO 1.3	1352	3150	751	143			5396
1.1 TO 1.2	5602	9275	1955	312			17144
0.8 TO 0.9	2405	3806	671	89			6971
0.7 TO 0.8	296	540	99	6			941
0.6 TO 0.7	34	82	19	4			139
0.4 TO 0.6	5	12	5				22
0.2 TO 0.4	1		1				2
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	3932.0	13920.4	2499.1	277.0			20629.0

No. of Flights: 124

Table 134

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Hickam Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0	1						1
0.6 TO 0.8		1					1
0.5 TO 0.6		1	4				5
0.4 TO 0.5	3	36	9	2			50
0.3 TO 0.4	50	164	64	18			296
0.2 TO 0.3	383	1009	379	195			1966
0.1 TO 0.2	3654	5607	2750	1563	3		13577
-0.2 TO -0.1	3203	4864	2295	1190	1		11553
-0.3 TO -0.2	378	595	252	121			1346
-0.4 TO -0.3	36	81	34	11			162
-0.6 TO -0.4	7	6	3	2			18
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	32052.7	16422.9	6551.3	1007.2	0.5		56034.5

Table 135

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Hickam Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		3					3
0.5 TO 0.6		4	1				5
0.4 TO 0.5		11					11
0.3 TO 0.4	1	32	4				37
0.2 TO 0.3	12	139	11				162
0.1 TO 0.2	47	692	173	5			917
-0.2 TO -0.1	38	623	133	4			798
-0.3 TO -0.2	6	122	11	1			140
-0.4 TO -0.3	5	31					36
-0.6 TO -0.4		10	1				11
-0.8 TO -0.6		2	1				3
-1.0 TO -0.8	1						1
BELOW -1.0							
FLT TIME (MIN)	97.0	4733.8	109.4	4.2			4944.5

Table 136

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission III (Training) — Hickam Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4			1				1
0.8 TO 1.0		3	2				5
0.6 TO 0.8	1	15	8	2			26
0.5 TO 0.6	3	39	20	6			68
0.4 TO 0.5	14	182	53	13			262
0.3 TO 0.4	143	651	172	26			992
0.2 TO 0.3	800	2618	807	90			4315
0.1 TO 0.2	5336	12149	4411	396			22292
-0.2 TO -0.1	4681	10460	3874	309			19324
-0.3 TO -0.2	506	1730	602	67			2905
-0.4 TO -0.3	66	344	99	21			530
-0.6 TO -0.4	16	105	29	5			155
-0.8 TO -0.6		8	2				10
-1.0 TO -0.8		3	1				4
BELOW -1.0							
FLT TIME (MIN)	3932.0	13920.4	2499.7	277.0			20629.0

Table 137

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.4 TO 1.6							
1.2 TO 1.4		3					3
1.0 TO 1.2	14	2					16
0.8 TO 1.0	65	18					83
0.6 TO 0.8	44	10					54
0.4 TO 0.6	14	2					16
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	35.5	26.8	0.9				62.4

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0			1				1
1.6 TO 1.8							
1.4 TO 1.6		1					1
1.2 TO 1.4	1	1	3				5
1.0 TO 1.2	1	4	9	1			15
0.8 TO 0.9	19	33	15	1			67
0.7 TO 0.8	18	29	4				50
0.6 TO 0.7	1	7					3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	35.8	73.8	19.6	0.2			129.4

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2	1						1
1.8 TO 2.0							
1.6 TO 1.8	1		1				2
1.4 TO 1.6	2						2
1.2 TO 1.4	7	1	5	2			15
1.0 TO 1.2	28	5	12	2			45
0.8 TO 0.9	14	2	4	1			21
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	128.8	24.3	16.7	2.7			172.6

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4	3						3
1.0 TO 1.2	9		2	2			13
0.8 TO 0.9	34		3				37
0.7 TO 0.8	15		4	1			20
0.6 TO 0.7	2		1				3
0.4 TO 0.6	1						1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	64.8	15.9	13.9	1.5			75.1

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4		2					2
1.0 TO 1.2		9	5				14
0.8 TO 0.9		13	1				14
0.7 TO 0.8		1					1
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		39.4	9.7				49.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4			2				2
1.0 TO 1.2	1	12	1				14
0.8 TO 0.9		4	3				7
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.3	25.6	4.0				34.9

Table 138

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6			1				1
1.4 TO 1.5		5	1	1			7
1.3 TO 1.4	5	16	11				32
1.2 TO 1.3	59	47	12	1			119
1.1 TO 1.2	262	125	52				439
0.8 TO 0.9	79	55	16				150
0.7 TO 0.8	11	6					17
0.6 TO 0.7	3						3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	129.8	112.4	51.0	0.3			293.5

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8	1						1
1.5 TO 1.6	1	1					2
1.4 TO 1.5		1	1				2
1.3 TO 1.4	1	7	3	2			13
1.2 TO 1.3	2	22	9				33
1.1 TO 1.2	17	58	27	4			106
0.8 TO 0.9	5	42	11	1			59
0.7 TO 0.8		1	1				2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	34.1	109.6	58.6	7.8			205.6

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8	1						1
1.5 TO 1.6							
1.4 TO 1.5			1				1
1.3 TO 1.4	6	3		1			10
1.2 TO 1.3	32	8	5				45
1.1 TO 1.2	144	40	25	5			216
0.8 TO 0.9	72	18	11	1			102
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1082.6	162.2	146.1	11.9			1302.8

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0	1						1
1.6 TO 1.8	1						1
1.5 TO 1.6							
1.4 TO 1.5	2	3		1			6
1.3 TO 1.4	9	1					10
1.2 TO 1.3	35	1	2	1			39
1.1 TO 1.2	99	21	23	1			144
0.8 TO 0.9	99	10	8	1			118
0.7 TO 0.8	17	2					19
0.6 TO 0.7	2						2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	345.0	116.7	142.4	6.3			610.3

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1	1				2
1.1 TO 1.2	1	17	2				20
0.8 TO 0.9	3	6	2				11
0.7 TO 0.8		2					2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	9.4	100.0	16.8				126.3

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1					1
1.1 TO 1.2	3	12	3				18
0.8 TO 0.9		9	1				10
0.7 TO 0.8	1	1					2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	4.3	115.5	92.9				212.7

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			2				2
0.8 TO 0.9	2						2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	3.3	5.5					8.8

Table 139

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0	1	1					2
1.6 TO 1.8		2	2				4
1.4 TO 1.6	3	10	3	2			26
1.2 TO 1.4	48	75	9	2	1		135
1.0 TO 1.2	234	270	48	7			551
0.8 TO 1.0	1407	765	105	12			2289
0.6 TO 0.8	496	300	32	2			830
0.4 TO 0.6	43	43	8				94
0.2 TO 0.4	2	4					6
0.0 TO 0.2		1					1
BELOW 0.0							
FLT TIME (MIN)	811.9	735.1	160.8	49.9	8.5		1756.2

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8		1	2				3
1.5 TO 1.6	1	4	4	1			10
1.4 TO 1.5	9	26	12	2			49
1.3 TO 1.4	28	125	57	12			222
1.2 TO 1.3	258	462	167	27			904
1.1 TO 1.2	104	151	54	7			316
0.9 TO 0.9	6	22	4				32
0.8 TO 0.8							
0.7 TO 0.7		1					1
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
0.0 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	611.1	697.9	300.4	56.8			1674.2

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2			1				1
1.8 TO 2.0	1						1
1.6 TO 1.8	3	1	1	1			6
1.5 TO 1.6	13	5	3	3			24
1.4 TO 1.5	83	13	14	11			121
1.3 TO 1.4	249	51	49	25			374
1.2 TO 1.3	1355	293	198	61			1907
1.1 TO 1.2	539	134	86	26			785
0.9 TO 0.9	14	8	6	4			32
0.8 TO 0.8	3		1				4
0.7 TO 0.7							
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
0.0 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	8865.1	1230.5	753.3	187.3			11036.0

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0			2				2
1.6 TO 1.8	4	1					5
1.5 TO 1.6	13	5	4	3			25
1.4 TO 1.5	79	8	5	4			96
1.3 TO 1.4	251	17	25	10			303
1.2 TO 1.3	704	128	110	26			977
1.1 TO 1.2	498	78	72	4			636
0.9 TO 0.9	96	7	6				109
0.8 TO 0.8	11	1					12
0.7 TO 0.7	3						3
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
0.0 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	2518.7	818.6	493.2	52.1			3882.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2			1				1
1.8 TO 1.8			1				1
1.6 TO 1.6			1				1
1.5 TO 1.5							
1.4 TO 1.4			4	4	1		9
1.3 TO 1.3	5	22	6	2			33
1.2 TO 1.2	37	130	38	7			212
1.1 TO 1.1	16	63	29	5			113
0.9 TO 0.9	1	8	3				12
0.8 TO 0.8	1						1
0.7 TO 0.7							
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
0.0 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	89.3	666.0	268.8	28.9			1050.2

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 1.8			1				1
1.6 TO 1.6				1			1
1.5 TO 1.5							
1.4 TO 1.4			1				1
1.3 TO 1.3	2	15	4				21
1.2 TO 1.2	18	114	38	4			174
1.1 TO 1.1	11	63	17	3			94
0.9 TO 0.9	1	6	2				9
0.8 TO 0.8		1					1
0.7 TO 0.7							
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
0.0 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	161.6	1298.4	389.9	8.7			1858.6

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 1.8							
1.6 TO 1.6							
1.5 TO 1.5							
1.4 TO 1.4			1				1
1.3 TO 1.3	1	11	2				14
1.2 TO 1.2	5	41	13				57
1.1 TO 1.1	6	16	11				33
0.9 TO 0.9		1					1
0.8 TO 0.8							
0.7 TO 0.7							
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
0.0 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	112.5	568.0	80.7				761.2

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 1.8							
1.6 TO 1.6							
1.5 TO 1.5							
1.4 TO 1.4							
1.3 TO 1.3	1						1
1.2 TO 1.2	1	3					4
1.1 TO 1.1	2	4					6
0.9 TO 0.9	1						1
0.8 TO 0.8							
0.7 TO 0.7							
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
0.0 TO 0.0							
BELOW 0.0							
FLT TIME (MIN)	63.0	64.6					127.5

Table 140

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		7		3			10
1.5 TO 1.6		7	1	1			9
1.4 TO 1.5	4	40	5	3			52
1.3 TO 1.4	16	131	17	10			174
1.2 TO 1.3	120	415	47	19			600
1.1 TO 1.2	1051	965	197	61			2254
0.8 TO 0.9	378	405	53	23			859
0.7 TO 0.8	35	77	6	5			123
0.6 TO 0.7		12		1			13
0.4 TO 0.6	1						1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	535.0	615.9	282.6	138.3			1491.8

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8					1		1
1.5 TO 1.6		1					1
1.4 TO 1.5	1	2	2				5
1.3 TO 1.4	13	5	2	3			23
1.2 TO 1.3	18	19	19	8			64
1.1 TO 1.2	75	140	54	21			290
0.8 TO 0.9	42	123	30	8			203
0.7 TO 0.8	1	9	2	1			13
0.6 TO 0.7	1		1				2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	365.5	601.4	217.3	86.6			1270.8

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			1				1
1.6 TO 1.8		1	2				3
1.5 TO 1.6	3	2					5
1.4 TO 1.5	27	6		2			35
1.3 TO 1.4	87	15	13	4			119
1.2 TO 1.3	295	63	50	16			424
1.1 TO 1.2	1627	309	462	69			2467
0.8 TO 0.9	486	206	178	23			893
0.7 TO 0.8	29	11	7	2			49
0.6 TO 0.7	1		1				2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	11514.2	2472.3	2282.8	346.3			16615.5

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8	1	1					2
1.5 TO 1.6	2	4					6
1.4 TO 1.5	20	6	2	2			30
1.3 TO 1.4	107	14	3	1			125
1.2 TO 1.3	404	46	16	2			468
1.1 TO 1.2	1946	183	78	9			1316
0.8 TO 0.9	564	81	36	5			706
0.7 TO 0.8	147	7	2				156
0.6 TO 0.7	42						42
0.4 TO 0.6	3						3
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	3928.3	1031.6	391.4	27.7			5379.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			1				1
1.3 TO 1.4	1	4	1				6
1.2 TO 1.3	11	6	4	1			22
1.1 TO 1.2	40	54	21	6			121
0.8 TO 0.9	24	34	20	3			81
0.7 TO 0.8	10	2					12
0.6 TO 0.7	2						2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	203.2	736.6	187.5	14.3			1141.5

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			2				2
1.3 TO 1.4							
1.2 TO 1.3	1	6	7				14
1.1 TO 1.2	5	60	21	1			87
0.8 TO 0.9		24	6				30
0.7 TO 0.8	1	3	1				5
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	76.3	2228.8	172.7	1.3			2479.1

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		4					4
1.2 TO 1.3		5	1				6
1.1 TO 1.2	4	62	11				77
0.8 TO 0.9	5	33	9				47
0.7 TO 0.8		1	1				2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	265.3	1630.5	52.4				1966.2

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	1						1
1.1 TO 1.2	2	4					6
0.8 TO 0.9	1	4					5
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	63.2	90.4					153.6

Table 141

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2		1					1
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.4 TO 1.6		1					1
1.2 TO 1.4		5	1				6
1.0 TO 1.2	3	19	1				23
0.8 TO 1.0	36	26	2				64
0.6 TO 0.8	17	25					42
0.4 TO 0.6	2	3					5
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	10.5	34.3	4.1				48.7

Altitude: 2000 to 5000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2		6	1				7
0.8 TO 0.9		5					5
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		24.2	1.0				25.2

Altitude: 5000 to 10,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 1.9							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2		3					3
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		17.5	4.6				22.1

Altitude: 10,000 to 15,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 1.9							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4			NO ENTRIES				
1.0 TO 1.2							
0.9 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.5							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		4.0					4.0

Table 142

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.6 TO	2.8							
2.4 TO	2.6							
2.2 TO	2.4							
2.0 TO	2.2							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5							
1.3 TO	1.4							
1.2 TO	1.3		3					3
1.1 TO	1.2	6	1	1				8
1.0 TO	1.1							
0.9 TO	1.0	4						4
0.8 TO	0.9							
0.7 TO	0.8							
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		2.3	3.1	10.8				16.2

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.6 TO	2.8							
2.4 TO	2.6							
2.2 TO	2.4							
2.0 TO	2.2							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5							
1.3 TO	1.4							
1.2 TO	1.3							
1.1 TO	1.2		5	1				6
1.0 TO	1.1							
0.9 TO	1.0		1	1				2
0.8 TO	0.9		1					1
0.7 TO	0.8							
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		1.6	17.5					19.1

Table 143

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5							
1.3 TO	1.4		1					1
1.2 TO	1.3	2	1					3
1.1 TO	1.2	3	14	2				19
0.8 TO	0.9		1					1
0.7 TO	0.8							
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		4.1	4.7	2.7				11.5

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5			1				1
1.3 TO	1.4			2				2
1.2 TO	1.3			5				5
1.1 TO	1.2		3	3				6
0.8 TO	0.9		1	1				2
0.7 TO	0.8							
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		4.1	3.0	2.8				9.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5							
1.3 TO	1.4							
1.2 TO	1.3							
1.1 TO	1.2		1					1
0.8 TO	0.9							
0.7 TO	0.8							
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		1.3	8.9	1.2				10.9

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5							
1.3 TO	1.4							
1.2 TO	1.3							
1.1 TO	1.2							
0.8 TO	0.9		1					1
0.7 TO	0.8		1					1
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)			1.3	21.5				22.8

Table 144

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		2					2
1.1 TO 1.2	8	4	6	1			19
0.8 TO 0.9	1	1					2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.1	4.4	28.0	4.2			38.7

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1					1
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		1.7					1.7

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		1.3					1.3

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	18.0	748.0					766.0

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1					1
1.1 TO 1.2		12					12
0.8 TO 0.9	1	22					23
0.7 TO 0.8		2					2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	28.5	942.6	4.0				973.1

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		64.9					64.9

Table 145

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.5 TO 1.6		2					2
1.4 TO 1.5		3	1				4
1.3 TO 1.4		12					12
1.2 TO 1.3	4	31					35
1.1 TO 1.2	48	60	1				109
0.8 TO 0.9	30	27	3				60
0.7 TO 0.8	6	5					11
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	14.3	36.2	0.7				51.2

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		8	1				9
1.1 TO 1.2		35	5				40
0.8 TO 0.9	2	17	1				20
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1.0	52.9	3.1				57.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		12					12
0.8 TO 0.9		11					11
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		100.9	4.0				104.9

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1					1
0.8 TO 0.9		2					2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		139.5					139.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		8					8
0.8 TO 0.9		2					2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		175.8					175.8

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	1	46					47
0.8 TO 0.9	2	14					16
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	8.0	1325.4	13.1				1346.5

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	5	21					26
0.8 TO 0.9	2	12					14
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	15.1	1104.3					1119.4

Table 146

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1					1
1.2 TO 1.3							
1.1 TO 1.2	3						3
0.8 TO 0.9	1						1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.4	1.5					1.9

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		2					2
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		2.1					2.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		6.0					6.0

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		4.0					4.0

Table 147

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			NO ENTRIES				
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)							

92.5

92.5

Table 148

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		3	1				4
1.4 TO 1.5	2	9	2				13
1.3 TO 1.4	15	41	4				60
1.2 TO 1.3	158	176	15				349
1.1 TO 1.2	546	562	37				1145
0.8 TO 0.9	244	219	14				477
0.7 TO 0.8	28	38	5				71
0.6 TO 0.7	4	7					11
0.4 TO 0.6	2		2				4
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	305.7	329.3	27.3				662.3

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		1					1
1.4 TO 1.5		4	3				7
1.3 TO 1.4	1	20	8				29
1.2 TO 1.3	11	102	24				137
1.1 TO 1.2	57	269	46	2			374
0.8 TO 0.9	37	149	19				205
0.7 TO 0.8	6	35	3				44
0.6 TO 0.7		6	4				10
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	74.2	183.0	35.5	1.4			294.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			1				1
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	4	1	17	7			29
1.1 TO 1.2	17	20	50	7			94
0.8 TO 0.9	2	10	21	7			40
0.7 TO 0.8			1	1			2
0.6 TO 0.7			1				1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	18.7	66.5	53.5	8.3			147.0

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			1	1			2
1.2 TO 1.3	3	1	4	2			10
1.1 TO 1.2	5	8	25	3			41
0.8 TO 0.9		3	15	2			20
0.7 TO 0.8		1	2				3
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	4.3	47.2	25.2	2.3			79.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		4					4
1.2 TO 1.3		12	1				13
1.1 TO 1.2		94	8				102
0.8 TO 0.9	1	75	6				82
0.7 TO 0.8		5					5
0.6 TO 0.7			1				1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	6.8	244.7	17.6				269.1

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		4					4
1.1 TO 1.2		20	1				21
0.8 TO 0.9		21	2				23
0.7 TO 0.8		2					2
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.0	77.2	14.4				93.6

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1					1
1.2 TO 1.3		11	2				13
1.1 TO 1.2							
0.8 TO 0.9	1	3					4
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.0	114.0	1.0				129.0

Table 149

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		3					3
1.5 TO 1.6	1	10	2				13
1.4 TO 1.5	20	37	6				63
1.3 TO 1.4	53	184	18	5			262
1.2 TO 1.3	299	561	44	2			906
1.1 TO 1.2	1212	946	71				2231
0.8 TO 0.9	466	278	15	1			760
0.7 TO 0.8	66	66	9				139
0.6 TO 0.7	7	6					13
0.4 TO 0.6	1						1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	447.9	622.5	60.3	5.5			1136.2

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4				1			1
1.8 TO 2.0				2			2
1.6 TO 1.8				1			1
1.5 TO 1.6		2	2	8			12
1.4 TO 1.5		4	4	3			11
1.3 TO 1.4	1	15	20	9			45
1.2 TO 1.3	4	42	37	21			104
1.1 TO 1.2	16	125	112	48			301
0.8 TO 0.9	9	39	26	3			77
0.7 TO 0.8	3	1	4				8
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	64.1	214.7	75.7	56.2			400.7

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)							

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			1	2			3
1.3 TO 1.4			5				5
1.2 TO 1.3		5	12	4			21
1.1 TO 1.2	11	37	41	7			96
0.8 TO 0.9	4	12	23	3			42
0.7 TO 0.8	1		1				2
0.6 TO 0.7			1				1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	18.7	171.6	42.8	5.6			237.9

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		1					1
1.8 TO 2.0							
1.6 TO 1.8		3					3
1.5 TO 1.6		4					4
1.4 TO 1.5		9					9
1.3 TO 1.4	1	10					11
1.2 TO 1.3	8	52	4				64
1.1 TO 1.2	70	327	22				419
0.8 TO 0.9	53	142	11				206
0.7 TO 0.8	4	13	3				20
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	98.2	737.7	56.9				892.8

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		1					1
1.4 TO 1.5							
1.3 TO 1.4		3					3
1.2 TO 1.3		12					12
1.1 TO 1.2	5	106	7				118
0.8 TO 0.9	3	56					59
0.7 TO 0.8	1	5					6
0.6 TO 0.7		1					1
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	34.0	369.6	30.1				433.7

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		NO ENTRIES					
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.0						2.0

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		NO ENTRIES					
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	22.0						22.0

Table 150

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8	-	-					- - -
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		3	6	1			10
1.5 TO 1.6	1	14	2				17
1.4 TO 1.5	20	46	4				70
1.3 TO 1.4	90	223	26	1			340
1.2 TO 1.3	488	782	106	11			1387
1.1 TO 1.2	1923	1893	182	9			4007
0.9 TO 0.9	823	758	66	2			1649
0.7 TO 0.8	84	121	14				219
0.6 TO 0.7	8	19	4	1			32
0.4 TO 0.6	1	5					6
0.2 TO 0.4	1						1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	873.5	1262.3	260.7	24.8			2421.2

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6			4	2			6
1.4 TO 1.5	2	12	7	1			22
1.3 TO 1.4	2	54	16	1			73
1.2 TO 1.3	24	172	82	11			289
1.1 TO 1.2	154	619	107	28			908
0.8 TO 0.9	98	310	51	4			463
0.7 TO 0.8	15	37	10	1			63
0.6 TO 0.7	1	5	2	1			9
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	103.7	538.3	151.1	15.6			808.7

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5		2	3	3			8
1.3 TO 1.4	1	15	22	3			41
1.2 TO 1.3	10	60	48	26			144
1.1 TO 1.2	33	203	199	62			497
0.8 TO 0.9	36	83	48	8			175
0.7 TO 0.8	1	1	9				11
0.6 TO 0.7	1	3					4
0.4 TO 0.6		2	1				3
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	208.5	369.2	191.7	50.3			809.7

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5	1	7					8
1.3 TO 1.4	1	17	7	5			30
1.2 TO 1.3	10	36	31	13			90
1.1 TO 1.2	28	137	124	22			311
0.8 TO 0.9	24	31	46	13			114
0.7 TO 0.8	9	7	4				20
0.6 TO 0.7	1						1
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	126.9	461.5	206.9	20.7			816.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			1	1			2
1.4 TO 1.5	1	8	1	1			11
1.3 TO 1.4	3	26	3				32
1.2 TO 1.3	12	60	18				90
1.1 TO 1.2	26	274	92				392
0.8 TO 0.9	24	170	44				238
0.7 TO 0.8	4	21	9				34
0.6 TO 0.7	1	4	1				6
0.4 TO 0.6	1						1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	54.9	1201.2	177.5	0.1			1433.7

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.5 TO 1.6		1					1
1.4 TO 1.5		3					3
1.3 TO 1.4		10	1				11
1.2 TO 1.3		48	1				49
1.1 TO 1.2	8	262	43				313
0.8 TO 0.9	4	117	6				127
0.7 TO 0.8		6					6
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	28.0	494.5	72.8				795.3

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		3					3
1.1 TO 1.2		20					20
0.8 TO 0.9		5					5
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	4.0	258.0					262.0

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		2					2
0.8 TO 0.9		2					2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	20.0	24.0					44.0

Table 151

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2	1						1
1.8 TO 2.0	2	3					5
1.6 TO 1.8	1	2	2	1			6
1.5 TO 1.6	0	25	4				30
1.4 TO 1.5	47	106	13	3			169
1.3 TO 1.4	233	539	68	4			844
1.2 TO 1.3	1167	1415	191	7			2780
1.1 TO 1.2							
1.0 TO 1.1	423	490	45	5			963
0.9 TO 1.0	67	64	7	1			139
0.8 TO 0.9	3	6	1				10
0.7 TO 0.8							
0.6 TO 0.7			1				1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	461.1	788.9	238.6	10.8			1499.4

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.5 TO 1.6		1					1
1.4 TO 1.5	3	2	4	1			10
1.3 TO 1.4	6	15	16	2			39
1.2 TO 1.3	8	76	71	7			162
1.1 TO 1.2	35	293	151	19			498
1.0 TO 1.1							
0.9 TO 1.0	21	159	53	1			234
0.8 TO 0.9	2	13	7				22
0.7 TO 0.8		3					3
0.6 TO 0.7		2					2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	56.2	366.3	148.1	13.5			584.1

Altitude: 3000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8		1	1				2
1.5 TO 1.6	1	5	5	2			13
1.4 TO 1.5	1	16	17	11			45
1.3 TO 1.4	15	41	74	19			152
1.2 TO 1.3	57	150	141	56			404
1.1 TO 1.2							
1.0 TO 1.1	34	74	44	12			164
0.9 TO 1.0	3	6	4				13
0.8 TO 0.9		6					8
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	375.3	606.5	219.5	53.0			1254.4

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			1				1
1.3 TO 1.4	2	8	13	2			25
1.2 TO 1.3	14	17	27	7			65
1.1 TO 1.2	51	98	86	33			268
1.0 TO 1.1							
0.9 TO 1.0	44	57	36	24			161
0.8 TO 0.9	9	6		2			17
0.7 TO 0.8	4	1		1			6
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	140.4	853.5	160.8	25.5			1189.3

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0		4					4
1.6 TO 1.8		6	1				7
1.5 TO 1.6		11					11
1.4 TO 1.5	1	14	3	1			19
1.3 TO 1.4	14	82	15	2			113
1.2 TO 1.3	72	490	50	3			615
1.1 TO 1.2							
1.0 TO 1.1	41	206	37				284
0.9 TO 1.0	10	28					38
0.8 TO 0.9	2	3		1			6
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	123.4	1068.5	97.3	2.5			1911.7

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8		1					1
1.5 TO 1.6		3	1				4
1.4 TO 1.5	1	21	1				23
1.3 TO 1.4	3	128	11				142
1.2 TO 1.3	8	526	30				564
1.1 TO 1.2							
1.0 TO 1.1	6	160	3				169
0.9 TO 1.0		25	3				28
0.8 TO 0.9		4	2				6
0.7 TO 0.8			1				1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	42.5	1036.4	63.2				1196.2

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
1.0 TO 1.1							
0.9 TO 1.0							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	20.0	118.0					138.0

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	NO ENTRIES						
1.0 TO 1.1							
0.9 TO 1.0							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	4.0						

Table 152

JC-130 — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		2					2
1.1 TO 1.2	9	2					11
0.8 TO 0.9	1						1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1.0	1.0					2.0

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	NO ENTRIES						
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.0						2.0

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	1						1
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	4.0						4.0

Table 153
JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.4 TO 0.6		1					1
0.2 TO 0.4	3	6					9
0.1 TO 0.2	14	13	3				30
	109	69	15				193
-0.1 TO -0.2	108	75	18				201
-0.2 TO -0.3	15	9					22
-0.3 TO -0.4	3	2					5
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	35.5	26.0	0.9				62.4

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			2				2
0.4 TO 0.5			6				6
0.3 TO 0.4			17				17
0.2 TO 0.3	1	3	13				17
0.1 TO 0.2	16	56	52				124
-0.1 TO -0.2	38	73	63				174
-0.2 TO -0.3		13	12				25
-0.3 TO -0.4			1				1
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	35.8	73.8	19.6	0.2			129.4

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			1				1
0.1 TO 0.2		1	4	1			6
-0.1 TO -0.2		2	1	4			7
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	124.9	24.3	19.7	2.7			172.6

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.1 TO -0.2			1				1
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	44.0	15.9	13.9	1.3			75.1

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		4					4
-0.1 TO -0.2		5					5
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)		35.4	9.7				45.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		10					10
-0.1 TO -0.2		4					4
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	5.3	25.8	4.8				36.0

Table 154

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 95, 000 to 105, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1					1
0.5 TO 0.6							
0.4 TO 0.5		1					1
0.3 TO 0.4	3	5	2	1			11
0.2 TO 0.3	28	55	18	1			102
0.1 TO 0.2	296	241	163	1			699
-0.2 TO -0.1	258	209	133				600
-0.3 TO -0.2	35	31	10				76
-0.4 TO -0.3		4	2				6
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	129.8	112.4	51.0	0.3			293.5

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		2	1				3
0.3 TO 0.4		2	1				3
0.2 TO 0.3	3	29	7				39
0.1 TO 0.2	64	195	75	4			338
-0.2 TO -0.1	55	197	58	2			312
-0.3 TO -0.2	11	17	6				34
-0.4 TO -0.3		5	1				6
-0.6 TO -0.4		1	1				2
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	34.1	105.8	58.6	7.0			205.6

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4	1	1					2
0.2 TO 0.3	1		8				9
0.1 TO 0.2	8	12	32	1			53
-0.2 TO -0.1	9	6	40				55
-0.3 TO -0.2		2	4				6
-0.4 TO -0.3	1		2				3
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1062.6	142.2	146.1	11.0			1382.0

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		2	15				17
0.1 TO 0.2							
-0.2 TO -0.1		1	12				13
-0.3 TO -0.2			1				1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	345.0	116.7	142.4	6.3			610.3

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		NO ENTRIES					
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	9.4	103.0	14.3				126.3

Altitude: 20, 000 to 25 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		2					2
0.1 TO 0.2		3					3
-0.2 TO -0.1							
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	4.3	115.5	92.9				212.7

Altitude: 25, 000 to 30 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		NO ENTRIES					
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	3.3	3.5					6.8

Table 155

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5	3	11	2				16
0.3 TO 0.4	32	47	15	3			97
0.2 TO 0.3	250	318	74	57			699
0.1 TO 0.2	1962	1800	503	374	3		4642
-0.2 TO -0.1	1677	1437	476	242	1		3833
-0.3 TO -0.2	282	136	57	31			506
-0.4 TO -0.3	24	32	6	3			65
-0.6 TO -0.4	6	2					8
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	811.9	735.1	169.8	40.9	0.5		1758.2

Altitude: 2000 to 5000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5		4	1				5
0.3 TO 0.4	2	16	19	2			39
0.2 TO 0.3	36	116	65	14			231
0.1 TO 0.2	409	832	458	93			1792
-0.2 TO -0.1	379	755	393	88			1615
-0.3 TO -0.2	36	82	59	8			185
-0.4 TO -0.3	1	9	15	2			27
-0.6 TO -0.4		1	1				2
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	911.1	697.9	306.4	56.8			1974.2

Altitude: 5000 to 10,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			2				2
0.4 TO 0.5		1	1				2
0.3 TO 0.4	1	1	3				5
0.2 TO 0.3	4	5	52	8			69
0.1 TO 0.2	104	47	214	53			418
-0.2 TO -0.1	107	43	151	36			337
-0.3 TO -0.2	7	5	13	3			28
-0.4 TO -0.3	2		3				5
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	8865.1	1238.3	763.3	167.3			11034.0

Altitude: 10,000 to 15,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	3		2				5
0.1 TO 0.2	8	2	21	10			41
-0.2 TO -0.1	12	2	13	6			33
-0.3 TO -0.2	3	1	1				5
-0.4 TO -0.3	1						1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2516.7	818.4	493.4	57.1			3882.6

Altitude: 15,000 to 20,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		2	6	1			9
-0.2 TO -0.1		2	6				8
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	145.3	611.0	266.0	28.9			1050.2

Altitude: 20,000 to 25,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			3				3
0.1 TO 0.2		19	38				57
-0.2 TO -0.1		15	36				51
-0.3 TO -0.2			4				4
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	161.6	1248.4	389.9	8.7			1808.6

Altitude: 25,000 to 30,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		3	4				7
-0.2 TO -0.1		2	8				10
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	112.5	564.0	80.7				761.2

Altitude: 30,000 feet and Above

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1	2	3					5
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	63.0	64.6					127.5

Table 156

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6		1					1
0.4 TO 0.5		16	2	1			19
0.3 TO 0.4	4	73	17	12			106
0.2 TO 0.3	26	404	[illegible]	107			649
0.1 TO 0.2	447	1893	772	883			3995
-0.2 TO -0.1	341	1520	669	716			3245
-0.3 TO -0.2	27	206	75	73			381
-0.4 TO -0.3	2	25	4	5			36
-0.6 TO -0.4		1	1				2
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	535.0	615.9	202.6	139.3			1491.8

Altitude: 2000 to 5000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		3					3
0.2 TO 0.3	4	24	8	3			39
0.1 TO 0.2	34	242	87	88			451
-0.2 TO -0.1	35	247	83	84			454
-0.3 TO -0.2	6	17	5	5			33
-0.4 TO -0.3				1			1
-0.6 TO -0.4		1					1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	367.5	621.4	217.3	66.6			1272.8

Altitude: 5000 to 10,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0	1						1
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5				1			1
0.3 TO 0.4	4						4
0.2 TO 0.3	11	2	9	4			26
0.1 TO 0.2	164	63	130	48			405
-0.2 TO -0.1	162	52	92	26			332
-0.3 TO -0.2	15	1	5	1			22
-0.4 TO -0.3	2						2
-0.6 TO -0.4				2			2
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	11514.2	2472.3	2262.2	346.3			16615.5

Altitude: 10,000 to 15,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	1	2	1				4
0.1 TO 0.2	17	8	10	6			41
-0.2 TO -0.1	11	11	6	5			33
-0.3 TO -0.2	2						2
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	3924.3	1031.6	341.4	27.7			5379.8

Altitude: 15,000 to 20,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			1				1
0.1 TO 0.2		4	14				18
-0.2 TO -0.1		7	9	1			17
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	203.2	736.5	197.5	14.3			1151.5

Altitude: 20,000 to 25,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			1				1
0.2 TO 0.3			1				1
0.1 TO 0.2		36	33				71
-0.2 TO -0.1		32	21				53
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	75.9	2226.2	172.7	4.3			2479.1

Altitude: 25,000 to 30,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	1						1
0.1 TO 0.2	8	36	5				49
-0.2 TO -0.1	5	34	2				41
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	265.3	1630.4	52.6				1946.2

Altitude: 30,000 feet and Above

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			NO ENTRIES				
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	63.7	95.6					155.6

Table 157
JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.9	-						
1.4 TO 1.9							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		10					-
0.2 TO 0.3	2	36					38
0.1 TO 0.2	3	117	1				121
-0.2 TO -0.1	4	93					97
-0.3 TO -0.2	1	13					14
-0.4 TO -0.3		4					4
-0.6 TO -0.4	1						1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0	-						
FLT TIME (MIN)	10.5	36.0	4.1				48.7

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8	-	-	-	-	-	-	-
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		13					13
-0.2 TO -0.1		15					15
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		24.2	1.0				25.2

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.6							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.4 TO 0.6							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1		2					2
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		17.5	4.6				22.1

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		4.0					4.0

Table 158

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 85, 000 to 95, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.8 TO 1.6							
1.6 TO 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3		4	2				6
0.3 TO 0.2	1	24	49				74
0.2 TO 0.1							
0.1 TO 0.0							
0.0 TO -0.1	1	20	46				67
-0.1 TO -0.2	1	3	4				8
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	2.3	51.1	100.8				154.2

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.8 TO 1.6							
1.6 TO 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3							
0.3 TO 0.2		3	7				10
0.2 TO 0.1							
0.1 TO 0.0							
0.0 TO -0.1		3	8				11
-0.1 TO -0.2							
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)		1.6	17.5				19.1

Table 159

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 95, 000 to 105, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.4	2	2					4
0.4 TO 0.2	6	9	7				22
0.2 TO -0.0		4	7				19
-0.0 TO -0.2							
-0.2 TO -0.4							
-0.4 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	4.1	4.7	7.7				11.5

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.4							
0.4 TO 0.2	1						1
0.2 TO 0.0	7	1	2				9
-0.0 TO -0.2	7	1					8
-0.2 TO -0.4							
-0.4 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	4.1	3.0	2.8				9.9

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.4							
0.4 TO 0.2							
0.2 TO 0.0							
0.0 TO -0.2			NO ENTRIES				
-0.2 TO -0.4							
-0.4 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	1.1	0.6	1.2				14.9

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.4							
0.4 TO 0.2							
0.2 TO 0.0			NO ENTRIES				
0.0 TO -0.2							
-0.2 TO -0.4							
-0.4 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)		1.3	21.5				22.8

Table 160

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 105, 000 to 115, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA "g"
ABOVE 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.5			1				1
0.5 TO 0.4							
0.4 TO 0.3			3				3
0.3 TO 0.2		3	9				12
0.2 TO 0.1	1	16	104	5			126
-0.1 TO 0.1	2	7	70	6			85
-0.2 TO -0.1		1	5	1			7
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.5 TO -0.4			1				1
-0.6 TO -0.5			1				1
-0.7 TO -0.6							
-0.8 TO -0.7							
-0.9 TO -0.8							
-1.0 TO -0.9							
BELOW -1.0							
FLT TIME (HRS)	2.1	4.4	28.0	4.2			38.7

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA "g"
ABOVE 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3							
0.3 TO 0.2							
0.2 TO 0.1		1					1
0.1 TO 0.2		3					3
-0.2 TO -0.1		6					6
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.5 TO -0.4							
-0.6 TO -0.5							
-0.7 TO -0.6							
-0.8 TO -0.7							
-0.9 TO -0.8							
-1.0 TO -0.9							
BELOW -1.0							
FLT TIME (HRS)		1.7					1.7

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA "g"
ABOVE 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3							
0.3 TO 0.2			NO ENTRIES				
0.2 TO 0.1							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.5 TO -0.4							
-0.6 TO -0.5							
-0.7 TO -0.6							
-0.8 TO -0.7							
-0.9 TO -0.8							
-1.0 TO -0.9							
BELOW -1.0							
FLT TIME (HRS)		1.3					1.3

Altitude: 20, 000 to 25 000 feet

LOAD FACTOR DELTA "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA "g"
ABOVE 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3							
0.3 TO 0.2		1					1
0.2 TO 0.1		25					25
-0.2 TO -0.1		11					11
-0.3 TO -0.2		2					2
-0.4 TO -0.3							
-0.5 TO -0.4							
-0.6 TO -0.5							
-0.7 TO -0.6							
-0.8 TO -0.7							
-0.9 TO -0.8							
-1.0 TO -0.9							
BELOW -1.0							
FLT TIME (HRS)	19.0	744.0					744.0

Altitude: 25 000 to 30 000 feet

LOAD FACTOR DELTA "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA "g"
ABOVE 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6		3					3
0.6 TO 0.5		4					4
0.5 TO 0.4		10					10
0.4 TO 0.3	1	22					23
0.3 TO 0.2	7	64					71
0.2 TO 0.1	6	193	1				200
-0.2 TO -0.1	5	217					222
-0.3 TO -0.2	5	86					91
-0.4 TO -0.3	4	26					30
-0.5 TO -0.4		8					8
-0.6 TO -0.5		2					2
-0.7 TO -0.6	1						1
-0.8 TO -0.7							
-0.9 TO -0.8							
-1.0 TO -0.9							
BELOW -1.0							
FLT TIME (HRS)	76.5	962.6	6.0				973.1

Altitude: 30, 000 feet and Above

LOAD FACTOR DELTA "g"	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA "g"
ABOVE 1.4							
1.4 TO 1.2							
1.2 TO 1.0							
1.0 TO 0.8							
0.8 TO 0.6							
0.6 TO 0.5							
0.5 TO 0.4							
0.4 TO 0.3							
0.3 TO 0.2			NO ENTRIES				
0.2 TO 0.1							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.5 TO -0.4							
-0.6 TO -0.5							
-0.7 TO -0.6							
-0.8 TO -0.7							
-0.9 TO -0.8							
-1.0 TO -0.9							
BELOW -1.0							
FLT TIME (HRS)		64.9					64.9

Table 161

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 115, 000 to 125, 000 lb.

Altitude: 0 to 2,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		1					1
0.3 TO 0.4		5	1				6
0.2 TO 0.3	2	45					47
0.1 TO 0.2	20	164	3				187
-0.2 TO -0.1	19	122	2				143
-0.3 TO -0.2		17					17
-0.4 TO -0.3	3	3					6
-0.6 TO -0.4		1					1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	14.3	58.2	4.7				91.2

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.6							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		2					2
0.2 TO 0.3		5					5
0.1 TO 0.2		60					60
-0.2 TO -0.1		41					41
-0.3 TO -0.2		4					4
-0.4 TO -0.3		1					1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1.0	51.6	3.1				57.1

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.6							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3		2					2
0.1 TO 0.2		5					5
-0.2 TO -0.1		4					4
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.6 TO -0.4		1					1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		139.5					139.5

Altitude: 15,100 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.6							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		2					2
0.1 TO 0.2		3					3
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		175.8					175.8

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.6							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		5					5
0.1 TO 0.2	3	130					133
-0.2 TO -0.1		96					96
-0.3 TO -0.2		2					2
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	9.0	1325.4	13.1				1346.5

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.6							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		66					66
0.1 TO 0.2		73					73
-0.2 TO -0.1		3					3
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	15.1	1134.3					1119.4

Table 162
JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 125, 000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3		4					4
0.1 TO 0.2	1	17					18
-0.2 TO -0.1	2	7					9
-0.3 TO -0.2		3					3
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.4	1.5					1.9

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		2					2
0.1 TO 0.2		4					4
-0.2 TO -0.1		1					1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		2.1					2.1

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		6.0					6.0

Altitude: 10, 000 to 15 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		4.0					4.0

Table 163

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Training) — Gross Weight Range: 75, 000 to 85, 000 lb.

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			NO ENTRIES				
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		92.5					92.5

Table 164

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6		1					1
0.4 TO 0.5	1	2	1				4
0.3 TO 0.4	10	15	3				28
0.2 TO 0.3	63	126	12				201
0.1 TO 0.2	649	711	102				1462
-0.2 TO -0.1	637	641	94				1372
-0.3 TO -0.2	48	77	8				133
-0.4 TO -0.3	6	7	2				15
-0.6 TO -0.4	2	1					3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	305.7	329.3	27.3				662.3

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			3				3
0.3 TO 0.4		6	5	1			12
0.2 TO 0.3	3	31	22	2			58
0.1 TO 0.2	69	289	88	5			451
-0.2 TO -0.1	104	353	81	4			542
-0.3 TO -0.2	5	31	13	1			50
-0.4 TO -0.3		10	6				16
-0.6 TO -0.4		2	2				4
-0.8 TO -0.6			1				1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	74.2	183.0	35.5	1.4			294.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			2				2
0.4 TO 0.5							
0.3 TO 0.4			1				1
0.2 TO 0.3			15				15
0.1 TO 0.2		21	45	2			68
-0.2 TO -0.1		23	49	3			75
-0.3 TO -0.2			5				5
-0.4 TO -0.3			4				4
-0.6 TO -0.4			3				3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	18.7	64.5	53.5	8.3			147.0

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4							
0.2 TO 0.3			2				2
0.1 TO 0.2			12				12
-0.2 TO -0.1			8	1			9
-0.3 TO -0.2			1				1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	4.3	47.2	25.2	2.3			79.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		7	4				11
-0.2 TO -0.1		5	4				9
-0.3 TO -0.2			1				1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	6.8	244.7	17.6				269.1

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		17					17
-0.2 TO -0.1		11					11
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.0	77.2	14.4				93.6

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1		6					6
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	8.0	111.0	1.0				120.0

Table 165

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission IL (Training) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.6 TO 1.0		1					1
0.4 TO 0.8		5	2				7
0.5 TO 0.6	1	8	2				11
0.4 TO 0.5	2	58	8	2			70
0.3 TO 0.4	43	144	22				229
0.2 TO 0.3	264	563	72	5			904
0.1 TO 0.2	1574	2244	254	37			4109
-0.2 TO -0.1	1225	1819	173	17			3234
-0.3 TO -0.2	145	363	47	3			558
-0.4 TO -0.3	16	71	9	1			97
-0.6 TO -0.4	4	23	7				34
-0.8 TO -0.6		4	1				5
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	497.5	622.5	60.3	5.8			1186.2

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8			1	1			2
0.5 TO 0.6	1	2					3
0.4 TO 0.5	2	13	3	1			19
0.3 TO 0.4	11	45	11	1			68
0.2 TO 0.3	65	163	38	6			272
0.1 TO 0.2	309	697	159	26			1191
-0.2 TO -0.1	236	535	145	26			942
-0.3 TO -0.2	51	67	44	5			167
-0.4 TO -0.3	11	33	8	3			55
-0.6 TO -0.4	1	5	2	1			9
-0.8 TO -0.6		1					1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	119.1	326.8	65.7	11.0			522.4

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8				1	1		2
0.5 TO 0.6				2	4		6
0.4 TO 0.5			2	3	3		8
0.3 TO 0.4			13	15	4		32
0.2 TO 0.3			27	33	9		69
0.1 TO 0.2	1		166	97	12		276
-0.2 TO -0.1	1		120	58	9		188
-0.3 TO -0.2			27	25	4		56
-0.4 TO -0.3			6	2	2		10
-0.6 TO -0.4			2	1	1		4
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	64.1		214.7	96.9	24.9		400.7

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5		1	1				2
0.3 TO 0.4		1					1
0.2 TO 0.3		7	6	3			16
0.1 TO 0.2		24	43	10			77
-0.2 TO -0.1		24	32	9			65
-0.3 TO -0.2		5	6				11
-0.4 TO -0.3				1			1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	18.7		171.6	42.0	5.6		237.9

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3				3			3
0.1 TO 0.2			23	11			34
-0.2 TO -0.1	3		18	11			32
-0.3 TO -0.2			1	1			2
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	98.2		737.7	56.9			892.8

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			1				1
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	34.6		369.6	30.1			433.7

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.0						2.0

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.6 TO 1.0							
0.4 TO 0.6							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	22.0						22.0

Table 166

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8	1	5	4				10
0.5 TO 0.6	1	15	7	1			24
0.4 TO 0.5	5	41	14				61
0.3 TO 0.4	51	175	35	6			267
0.2 TO 0.3	281	699	171	29			1180
0.1 TO 0.2	1817	3050	1040	112			6069
-0.2 TO -0.1	1581	2565	1127	113			5386
-0.3 TO -0.2	152	409	124	25			710
-0.4 TO -0.3	18	78	16	4			116
-0.6 TO -0.4	7	21	5	3			36
-0.8 TO -0.6		1					1
-1.0 TO -0.8		1					1
BELOW -1.0							
FLT TIME (MIN)	473.5	1262.3	260.7	24.8			2421.2

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6		1					1
0.4 TO 0.5	1	4	2	1			8
0.3 TO 0.4	8	44	15				67
0.2 TO 0.3	26	186	71	4			287
0.1 TO 0.2	204	958	257	24			1443
-0.2 TO -0.1	224	873	305	15			1417
-0.3 TO -0.2	34	143	42	2			221
-0.4 TO -0.3	3	18	12				33
-0.6 TO -0.4		11					11
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	103.7	538.3	157.1	19.6			808.7

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6		5					5
0.4 TO 0.5		8	2				10
0.3 TO 0.4		31	11				42
0.2 TO 0.3		109	41	4			154
0.1 TO 0.2	3	417	194	24			638
-0.2 TO -0.1	2	331	147	16			496
-0.3 TO -0.2	1	107	32				140
-0.4 TO -0.3		28	7				35
-0.6 TO -0.4		11					11
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	208.5	369.2	181.7	50.3			809.7

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1					1
0.5 TO 0.6		1					1
0.4 TO 0.5		3					3
0.3 TO 0.4		14	3				17
0.2 TO 0.3		61	18				79
0.1 TO 0.2	3	213	57	9			282
-0.2 TO -0.1	1	227	31	3			262
-0.3 TO -0.2	1	42	12	1			56
-0.4 TO -0.3		10	2	1			13
-0.6 TO -0.4		5					5
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	126.9	461.5	206.9	20.7			816.0

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5							
0.3 TO 0.4		1	1				2
0.2 TO 0.3		3	11				14
0.1 TO 0.2		57	39				96
-0.2 TO -0.1		54	38				92
-0.3 TO -0.2		2	2				4
-0.4 TO -0.3			2				2
-0.5 TO -0.4		1					1
-0.6 TO -0.5							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	39.3	1.01.2	172.5	0.1			1433.7

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				2
0.3 TO 0.4			9	2			11
0.2 TO 0.3			77	20			97
0.1 TO 0.2	2		468	193			663
-0.2 TO -0.1			290	77			367
-0.3 TO -0.2			42	7			49
-0.4 TO -0.3			4	1			5
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	28.0	594.5	72.9				795.3

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1		1					1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	4.0	258.0					262.0

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		NO ENTRIES					
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	20.0	24.0					44.0

Table 167

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.6 TO 1.0							
0.4 TO 0.6		2					2
0.3 TO 0.4		3					3
0.2 TO 0.3	2	29	7	1			39
0.1 TO 0.2	18	96	9	5			128
0.0 TO 0.1	89	392	151	19			661
-0.1 TO 0.0	658	1926	1169	84			3837
-0.2 TO -0.1	623	1648	1138	62			3463
-0.3 TO -0.2	91	242	138	19			490
-0.4 TO -0.3	10	35	12	3			60
-0.5 TO -0.4	1	6	1				8
-0.6 TO -0.5							
-1.0 TO -0.6							
BELOW -1.0							
FLT TIME (MIN)	441.1	748.9	234.6	10.8			1499.4

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.6 TO 1.0							
0.4 TO 0.6			2				2
0.3 TO 0.4		2	4	1			7
0.2 TO 0.3	1	9	12	2			24
0.1 TO 0.2	8	48	51	4			110
0.0 TO 0.1	40	299	242	24			605
-0.1 TO -0.2	39	305	190	10			544
-0.2 TO -0.3	5	29	45	2			81
-0.3 TO -0.4	2	7	9	1			19
-0.4 TO -0.5		4	4				8
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	56.2	366.3	160.1	13.5			596.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.6 TO 1.0		2	1				3
0.4 TO 0.6		2					2
0.3 TO 0.4		1	2				3
0.2 TO 0.3		8	3	2			13
0.1 TO 0.2		14	8	4			26
0.0 TO 0.1		29	28	3			60
-0.1 TO 0.0	1	96	88	13			198
-0.2 TO -0.1		94	65	11			170
-0.3 TO -0.2		28	13	1			42
-0.4 TO -0.3		13	1				14
-0.5 TO -0.4		9	1				10
-0.6 TO -0.5		2					2
-1.0 TO -0.6		2					2
BELOW -1.0							
FLT TIME (MIN)	375.3	636.5	231.5	51.0			1254.4

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.6 TO 1.0							
0.4 TO 0.6			2	1			3
0.3 TO 0.4			2				2
0.2 TO 0.3		1	8	3			12
0.1 TO 0.2		6	26	2			34
0.0 TO 0.1		65	118	14			197
-0.1 TO -0.2		55	72	10			137
-0.2 TO -0.3		4	22	4			30
-0.3 TO -0.4		1	5	3			9
-0.4 TO -0.6			2				2
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	148.4	853.5	168.8	26.5			1199.2

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.6 TO 1.0							
0.4 TO 0.6							
0.3 TO 0.4		1					1
0.2 TO 0.3		4					4
0.1 TO 0.2		9	1				10
0.0 TO 0.1	1	38	14				53
-0.1 TO -0.2	1	41	16				58
-0.2 TO -0.3		7	3				10
-0.3 TO -0.4		5					5
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	123.4	1694.5	97.3	2.5			1911.7

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4			1				1
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5			9				9
0.3 TO 0.4	1	19	1				21
0.2 TO 0.3	1	82	6				89
0.1 TO 0.2	5	462	35				502
-0.1 TO -0.2	4	439	21				464
-0.2 TO -0.3	3	97	11				111
-0.3 TO -0.4		19	2				20
-0.4 TO -0.6	1	4	1				6
-0.6 TO -0.8							
-0.8 TO -1.0			1				1
BELOW -1.0							
FLT TIME (MIN)	42.5	1080.4	63.3				1196.2

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.6 TO 1.0							
0.4 TO 0.6							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	20.0	118.0					138.0

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.6 TO 1.0							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			NO ENTRIES				
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.5 TO -0.4							
-0.6 TO -0.6							
-1.0 TO -0.6							
BELOW -1.0							
FLT TIME (MIN)	4.0						4.0

Table 168

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

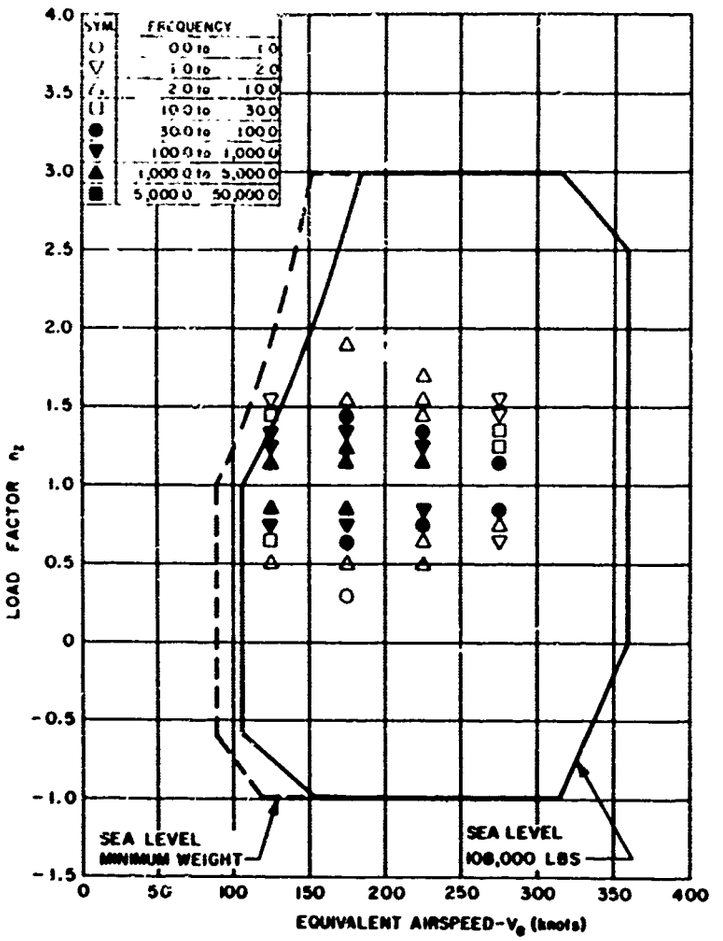
LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		1					1
-0.2 TO -0.1		1					1
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1.0	1.0					2.0

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		2.0					2.0

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		4.0					4.0



Flight Time: 331.1 hr. No. of Flights: 172

MANEUVER LOAD FACTOR (n_z)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL NO. n_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
2.5 & ABOVE							
2.4 TO 2.5							
2.0 TO 2.4							
1.9 TO 2.0		4.13					4.13
1.8 TO 1.9			4.13				4.13
1.5 TO 1.6	1.93	5.08	2.39	1.13			10.53
1.4 TO 1.5	19.30	30.23	9.11	1.60			60.24
1.3 TO 1.4	137.55	240.42	66.53	10.84			455.34
1.2 TO 1.3	852.91	1,065.94	253.98	19.28			2,192.11
1.1 TO 1.2	4,113.47	4,460.51	1,140.59	73.32			9,787.89
0.8 TO 0.9	1,846.94	2,218.01	630.13	39.29			4,734.37
0.7 TO 0.8	196.23	325.97	80.59	5.72			608.51
0.6 TO 0.7	26.82	44.04	4.34	1.13			76.33
0.4 TO 0.6	2.39	3.53	9.79				15.71
0.2 TO 0.4		0.73					0.73
0.0 TO 0.2							
BELOW 0.0							

Figure 54. HC-130G — Diagram and Tabulation of Maneuver Load Factors versus Equivalent Airspeed — Weighted Composite for All Missions

Table 169

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Weighted Composite for All Missions

INCREMENTAL GUST LOAD FACTOR (Δn_z)	EQUIVALENT AIRSPEED-V_e (KNOTS)						TOTAL NO. Δn_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
1.8 & ABOVE							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0	0.42		0.80				1.22
0.6 TO 0.8	1.24	0.82	0.40				2.46
0.5 TO 0.6	4.30	3.61	8.06				15.97
0.4 TO 0.5	6.36	37.31	17.45	2.19			63.31
0.3 TO 0.4	49.44	176.25	66.44	6.93			299.06
0.2 TO 0.3	383.61	918.67	251.08	31.98			1,585.34
0.1 TO 0.2	3,767.31	5,504.67	1,869.12	256.17			11,397.27
-0.2 TO -0.1	3,307.79	5,331.20	1,858.15	321.77			10,819.92
-0.3 TO -0.2	292.13	552.41	246.31	29.91			1,120.76
-0.4 TO -0.3	25.84	118.04	41.17	5.39			190.44
-0.6 TO -0.4	6.94	33.94	6.32	0.73			47.93
-0.8 TO -0.6	0.42	0.82	5.33				6.57
-1.0 TO -0.8							
BELOW -1.0							

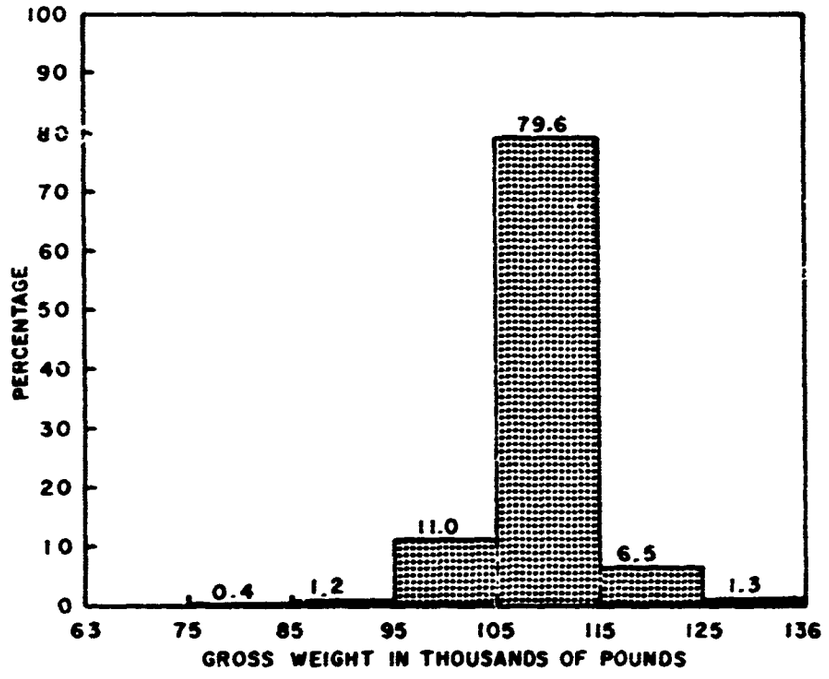


Figure 55. HC-130G — Percentages of Total Flight Time Spent in Selected Gross Weight Ranges — Composite of All Missions

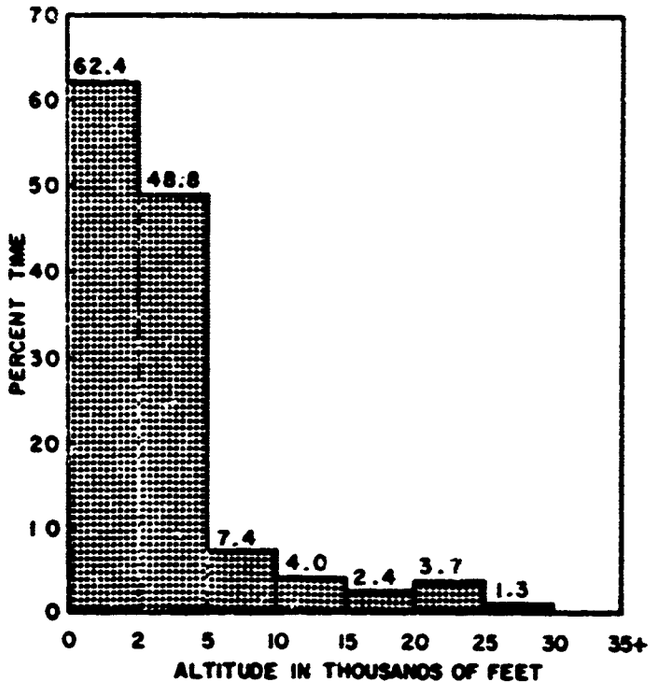


Figure 56

HC-130G — Percentages of Total Flight Time Spent at Selected Altitudes — Mission I (Airdrop)

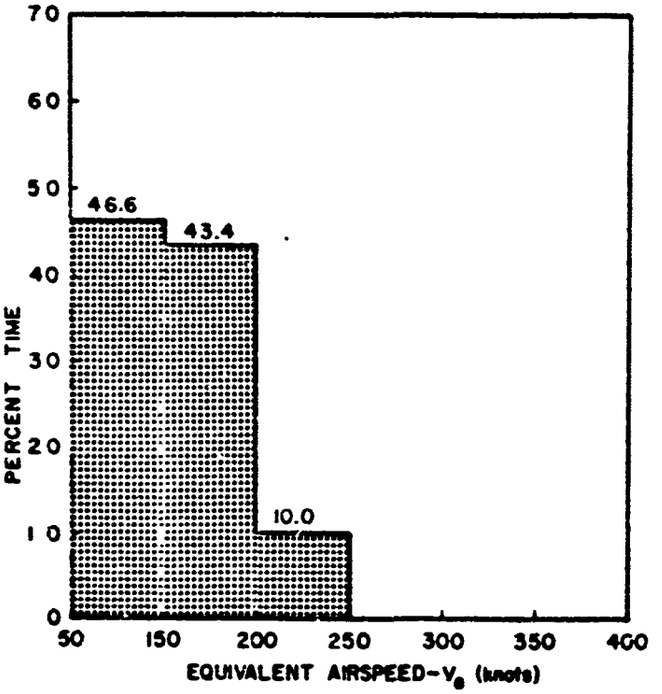


Figure 57

HC-130G — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission I (Airdrop)

Table 170

HC-130G — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission I (Airdrop)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED-V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	140.9	77.3	15.6				233.8
2,000- 5,000	26.1	40.7	3.6				70.3
5,000- 10,000		18.5	9.0				27.5
10,000- 15,000		7.6	7.5				15.1
15,000-20,000	3.1	4.7	1.3				9.1
20,000-25,000	3.9	9.5	0.5				13.9
25,000-30,000	0.5	4.3					4.8
30,000& ABOVE							
TOTAL TIME (MIN)	174.5	162.6	37.4				374.5

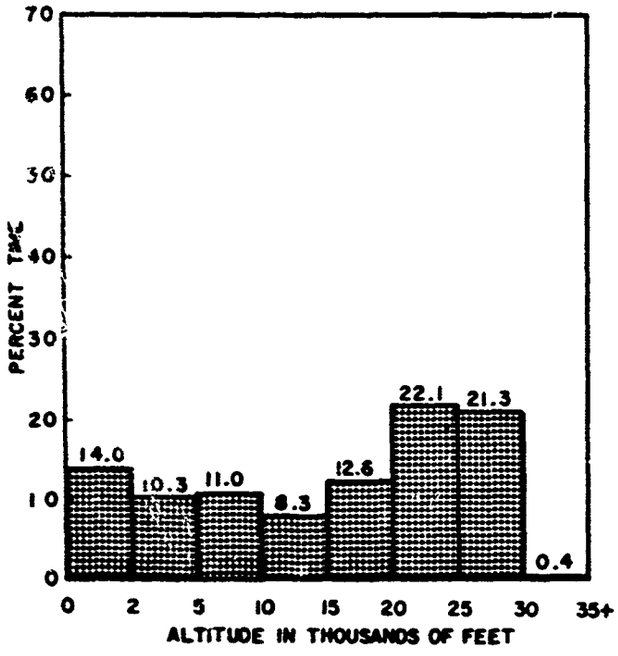


Figure 58

HC-130G — Percentages of Total Flight Time Spent at Selected Altitudes — Mission II (Logistics and Cross Country)

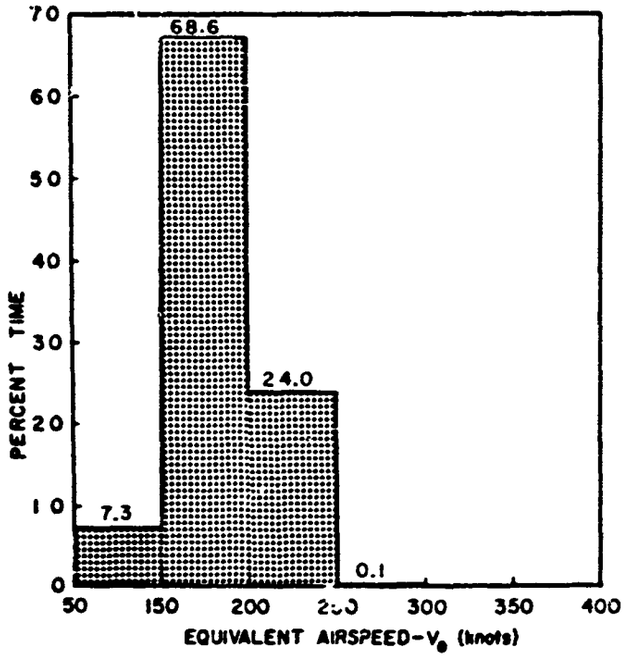


Figure 59

HC-130G — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission II (Logistics and Cross Country)

Table 171

HC-130G — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission II (Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED-V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	156.8	193.4	27.9	0.3			378.4
2,000- 5,000	30.2	180.0	67.6	0.7			278.5
5,000- 10,000	2.7	145.0	149.9	0.9			298.5
10,000- 15,000		153.5	71.0	0.6			225.1
15,000-20,000	1.4	153.6	187.2	0.1			342.0
20,000-25,000	2.6	355.3	135.9				590.8
25,000-30,000	2.0	366.6	7.2				375.7
30,000 & ABOVE		10.0					10.0
TOTAL TIME (MIN.)	195.8	1,956.5	650.1	2.7			2,705.1

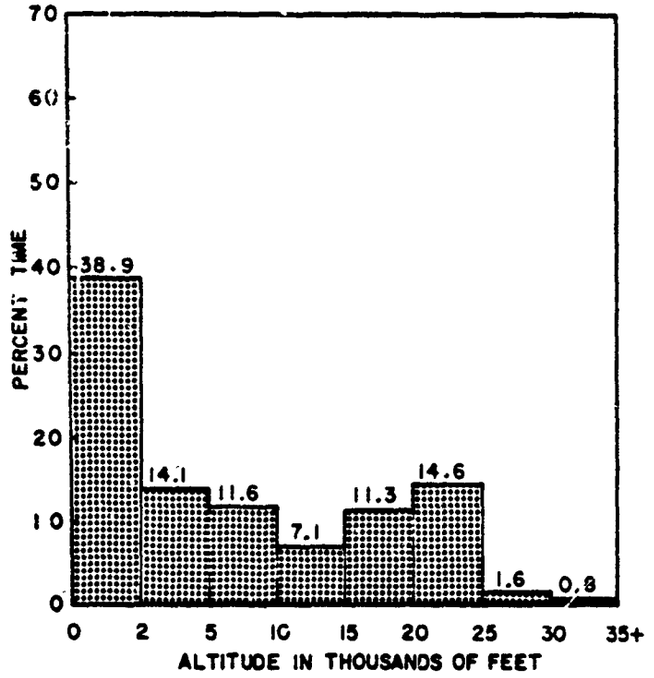


Figure 60

HC-130G — Percentages of Total Flight Time Spent at Selected Altitudes — Mission III (Training)

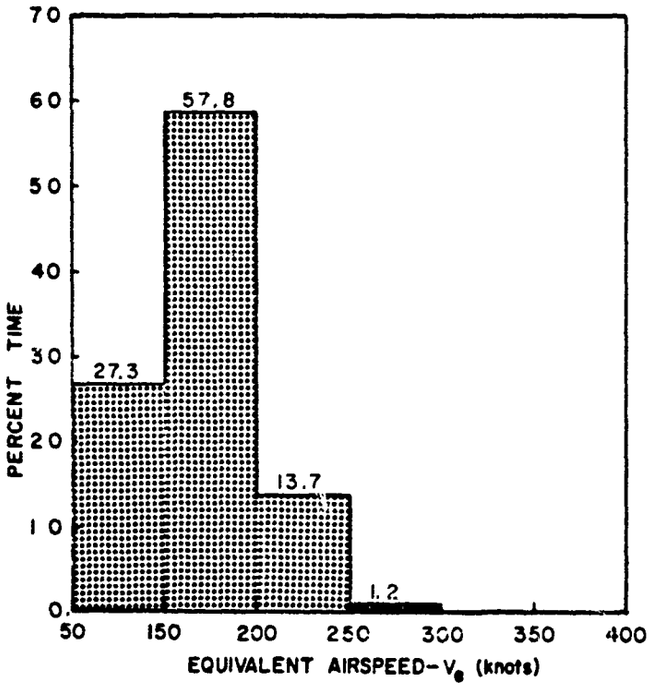


Figure 61

HC-130G — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission III (Training)

Table 172

HC-130G — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	2,298.6	1,825.1	209.8	42.0			4,375.5
2,000- 5,000	311.0	1,066.1	181.5	24.1			1,582.7
5,000- 10,000	88.8	785.5	389.6	42.2			1,306.1
10,000- 15,000	55.7	491.0	228.3	22.2			797.2
15,000-20,000	101.5	944.5	218.0	6.4			1,270.5
20,000-25,000	170.4	1,165.4	305.2				1,641.0
25,000-30,000	9.7	170.6	4.5				184.8
30,000& ABOVE	29.4	56.3					85.8
TOTAL TIME (MIN)	3,065.1	6,504.7	1,536.8	136.9			11,243.6

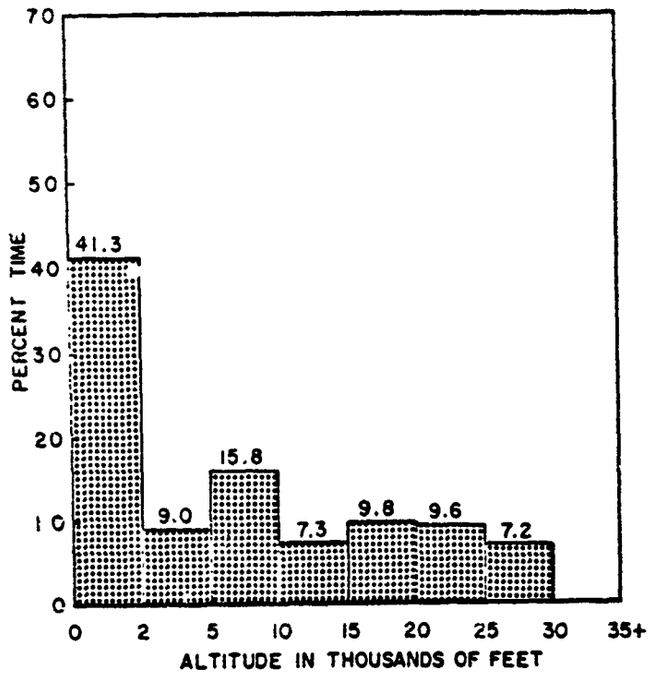


Figure 62

HC-130G — Percentages of Total Flight Time Spent at Selected Altitudes — Mission IV (Search and Rescue)

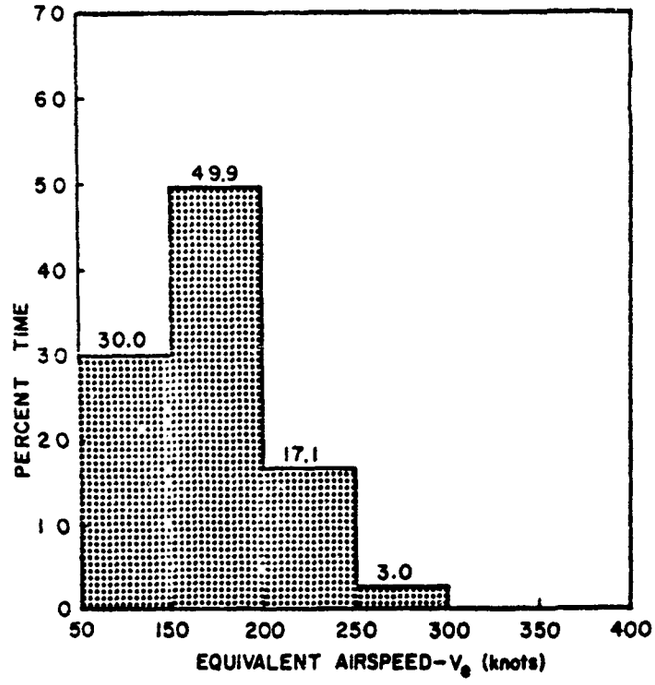


Figure 63

HC-130G — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission IV (Search and Rescue)

Table 173

HC-130G — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission IV (Search and Rescue)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED-V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	1,364.9	731.0	148.8	42.4			2,287.2
2,000- 5,000	68.8	330.5	85.2	11.8			496.4
5,000- 10,000	59.5	478.1	263.2	73.3			874.0
10,000- 15,000	85.2	209.3	71.4	35.8			401.8
15,000-20,000	28.4	321.8	193.4	0.7			544.2
20,000-25,000	49.0	299.7	184.1				532.8
25,000-30,000	4.0	394.3					398.3
30,000& ABOVE							
TOTAL TIME (MIN.)	1,659.8	2,764.7	946.2	164.0			5,534.7

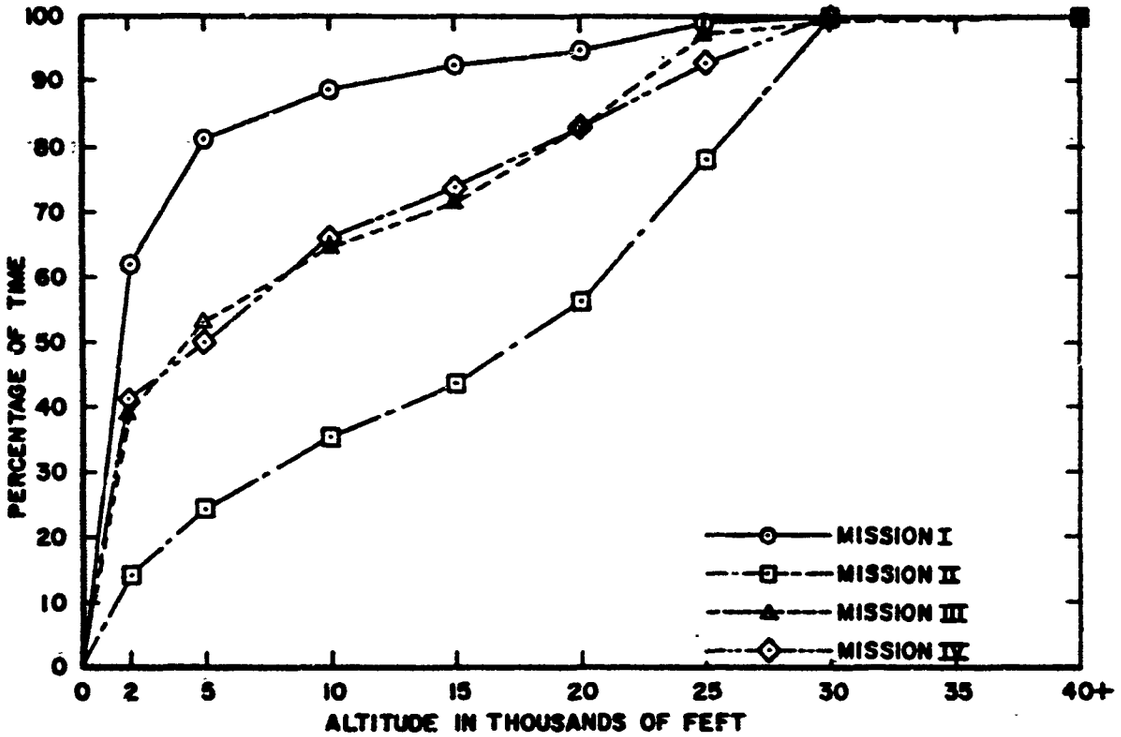


Figure 64. HC-130G — Percentages of Total Flight Time Spent Below Given Altitudes for Each Mission Type

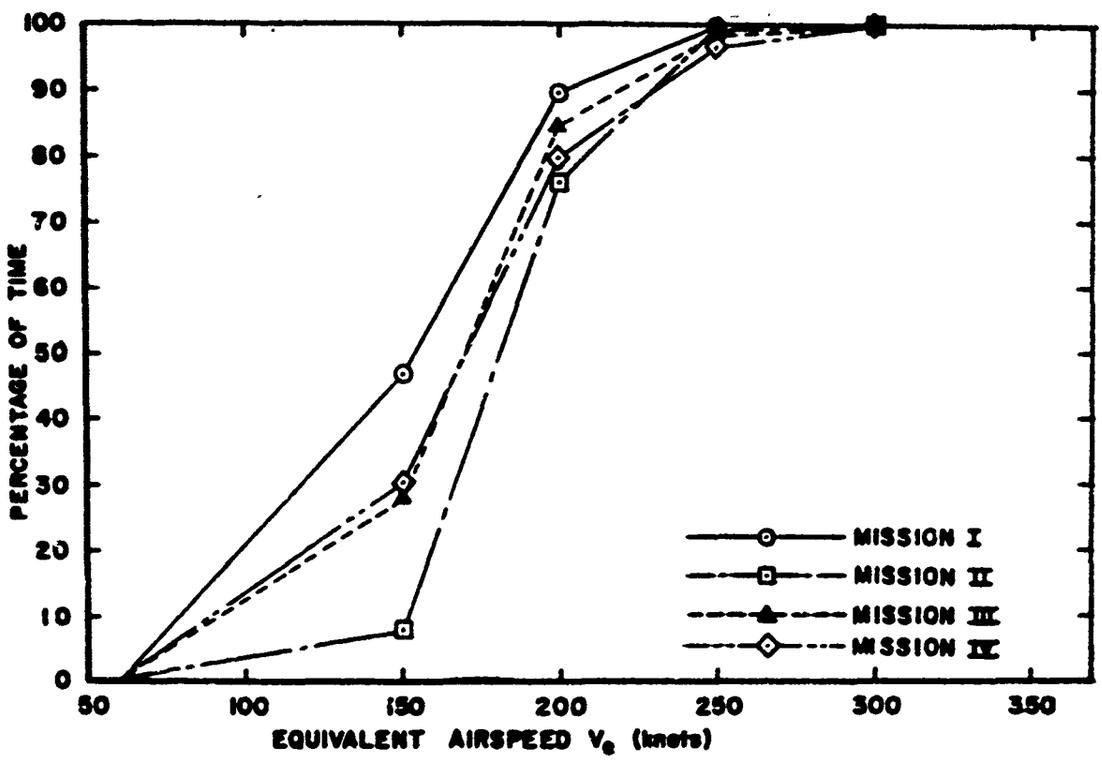


Figure 65. HC-130G — Percentages of Total Flight Time Spent Below Given Airspeeds for Each Mission Type

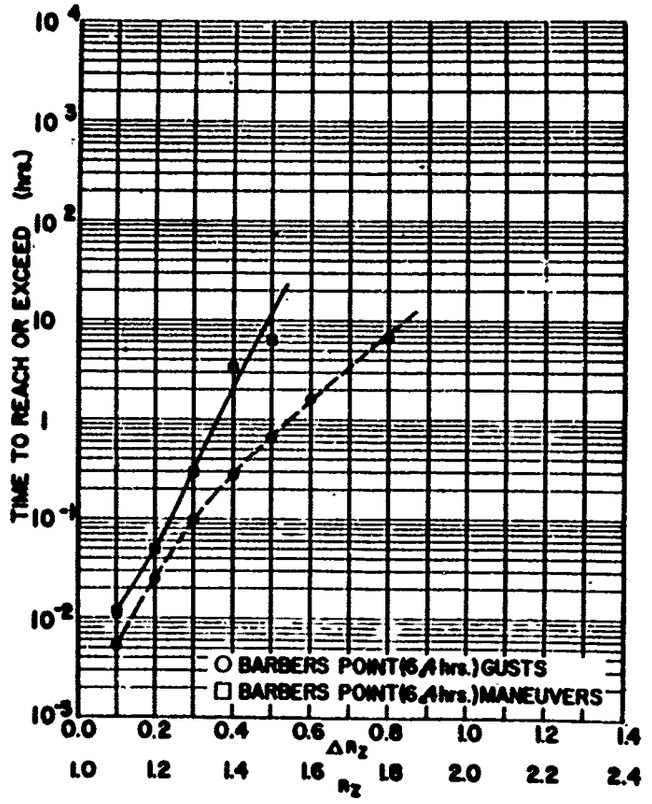


Figure 66. HC-130G — Maneuver and Gust Load Factor Exceedance Curves — Mission I (Airdrop)

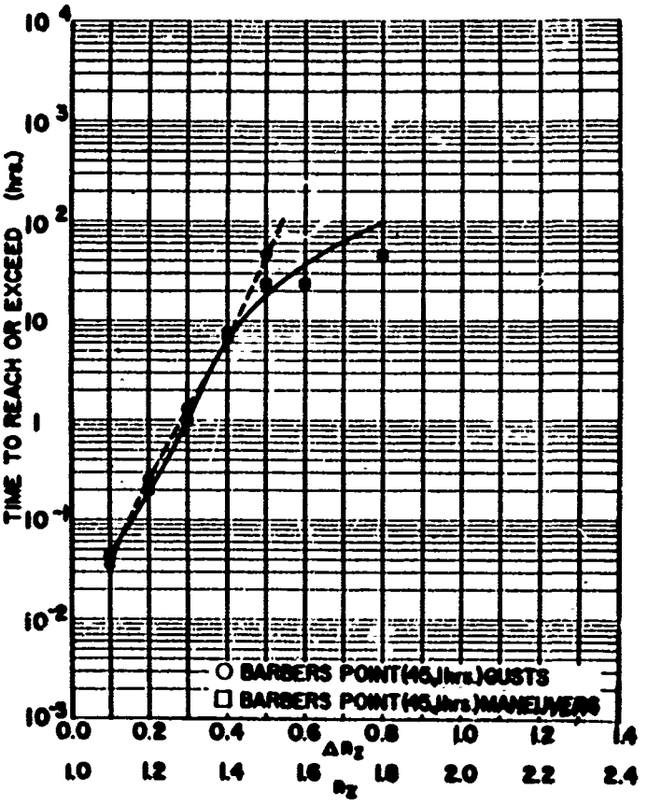


Figure 67

HC-130G — Maneuver and Gust Load Factor Exceedance Curves — Mission II (Logistics and Cross Country)

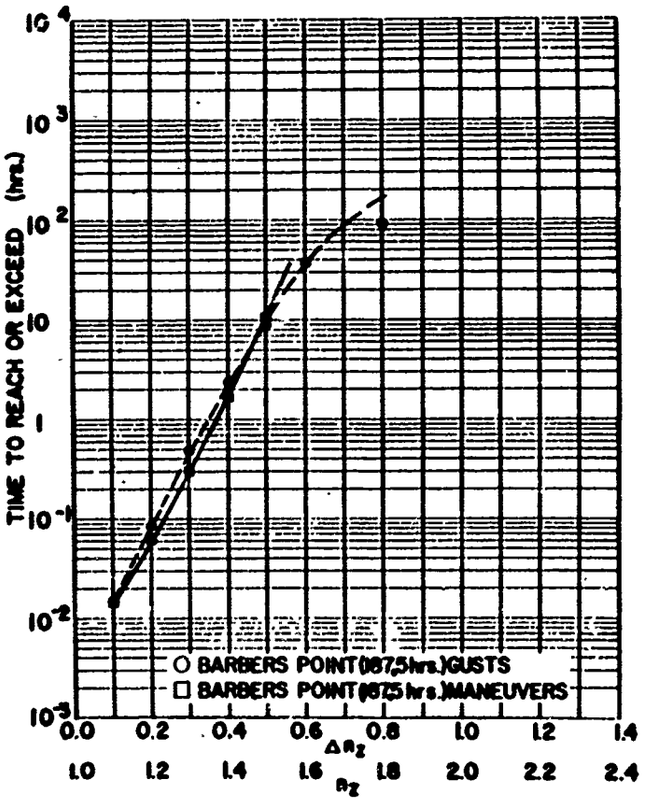


Figure 68. HC-130G — Maneuver and Gust Load Factor Exceedance Curves — Mission III (Training)

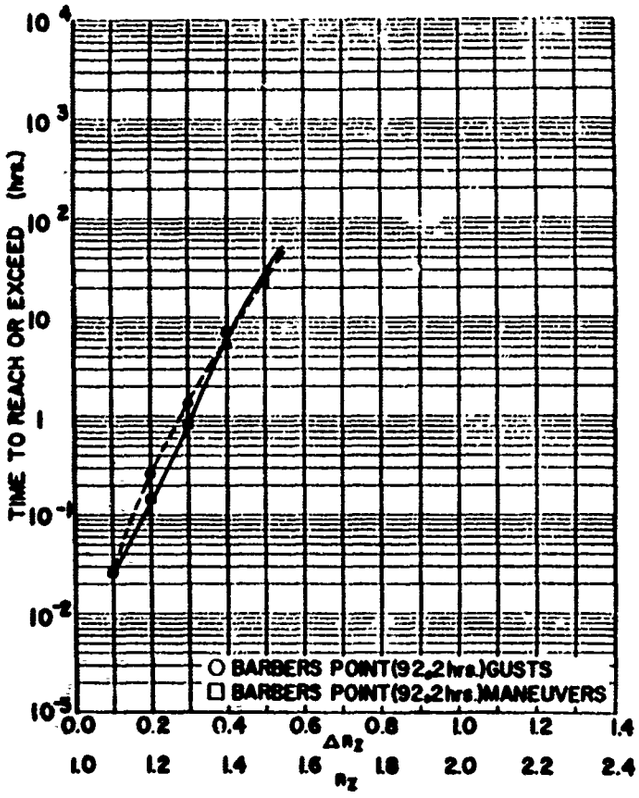


Figure 69. HC-130G — Maneuver and Gust Load Factor Exceedance Curves — Mission IV (Search and Rescue)

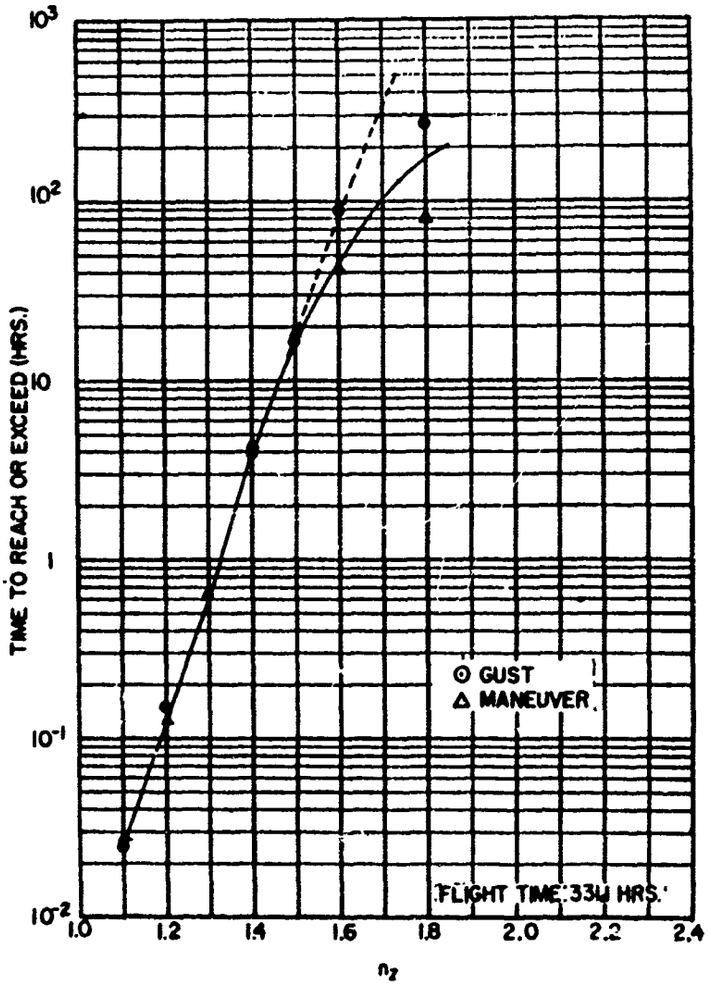


Figure 70. HC-130G — Maneuver and Gust Load Factor Exceedance Curves — Weighted Composites of All Missions

Table 174

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Barbers Point Naval Air Station

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		1					1
1.4 TO 1.5		1					1
1.3 TO 1.4	7	11	2				20
1.2 TO 1.3	74	43	1				118
1.1 TO 1.2	282	137	14				433
0.8 TO 0.9	68	45	4				117
0.7 TO 0.8	5		3				8
0.6 TO 0.7		2	1				3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	174.5	162.6	37.4				374.5

No. of Flights: 2

Table 175

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Barbers Point Naval Air Station

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0		1					1
1.6 TO 1.8			1				1
1.5 TO 1.6							
1.4 TO 1.5	2	2					4
1.3 TO 1.4	10	23	7				40
1.2 TO 1.3	59	101	24				184
1.1 TO 1.2	285	444	141				870
0.8 TO 0.9	122	229	78				429
0.7 TO 0.8	11	37	8				56
0.6 TO 0.7	2	5					7
0.4 TO 0.6			2				2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	195.8	1856.5	650.1	2.7			2705.1

No. of Flights: 22

Table 176

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission III (Training) — Barbers Point Naval Air Station

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6	3	8	6	1			18
1.4 TO 1.5	24	43	21	4			92
1.3 TO 1.4	166	263	72	18			519
1.2 TO 1.3	1040	1157	299	30			2526
1.1 TO 1.2	4589	4207	878	83			9757
0.8 TO 0.9	2440	2343	476	49			5308
0.7 TO 0.8	303	366	72	7			748
0.6 TO 0.7	41	51	8	1			101
0.4 TO 0.6	6	7	2				15
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	30[illegible]5.1	6504.7	1536.8	136.9			11243.6

No. of Flights: 103

Table 177

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission IV (Search and Rescue) — Barbers Point Naval Air Station

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO [illegible]							
1.5 TO 1.[illegible]	1	2		1			4
1.4 TO 1.5	2	6	1				9
1.3 TO 1.4	37	49	11	5			102
1.2 TO 1.3	223	231	48	10			512
1.1 TO 1.2	1349	1217	276	55			2897
0.8 TO 0.9	466	435	159	27			1087
0.7 TO 0.8	38	37	24	4			103
0.6 TO 0.7	3	3	1	1			8
0.4 TO 0.6		1	1				2
0.2 TO 0.4		1					1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1659.8	2764.7	946.2	164.0			5534.7

No. of Flights: 45

Table 178

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission I (Airdrop) — Barbers Point Naval Air Station

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0	1						1
0.6 TO 0.8	2	1					3
0.5 TO 0.6	2	4					6
0.4 TO 0.5	2	10	1				13
0.3 TO 0.4	7	33	4				44
0.2 TO 0.3	56	118	33				207
0.1 TO 0.2	380	485	144				1009
-0.2 TO -0.1	289	442	161				892
-0.3 TO -0.2	24	52	16				92
-0.4 TO -0.3	2	21	2				25
-0.6 TO -0.4	7	8					15
-0.8 TO -0.6	1	1					2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	174.5	162.6	37.4				374.5

Table 179

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country) — Barbers Point Naval Air Station

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5		5	1				6
0.3 TO 0.4	2	20	6	1			29
0.2 TO 0.3	31	110	15				156
0.1 TO 0.2	237	627	176	3			1043
-0.2 TO -0.1	221	672	181	2			1076
-0.3 TO -0.2	17	65	22				104
-0.4 TO -0.3		17	3				20
-0.6 TO -0.4		6					6
-0.8 TO -0.6			1				1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	145.8	1856.5	650.1	2.7			2705.1

Table 180

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission III (Training) — Barbers Point Naval Air Station

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			2				2
0.6 TO 0.8	1	1	1				3
0.5 TO 0.6	5	3	8				16
0.4 TO 0.5	12	22	25				59
0.3 TO 0.4	83	143	80	7			313
0.2 TO 0.3	733	731	353	49			1866
0.1 TO 0.2	4498	4023	1902	316			10739
-0.2 TO -0.1	3925	3545	1737	401			9608
-0.3 TO -0.2	452	389	281	31			1153
-0.4 TO -0.3	48	61	59	8			176
-0.6 TO -0.4	10	9	14				33
-0.8 TO -0.6		1	3				4
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	3065.1	6504.7	1536.8	136.9			11243.6

Table 181

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Mission IV (Search and Rescue) — Barbers Point Naval Air Station

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6	2	1	1				4
0.4 TO 0.5	1	5	4	3			13
0.3 TO 0.4	7	31	11				49
0.2 TO 0.3	54	168	47	17			286
0.1 TO 0.2	1140	1511	441	161			3253
-0.2 TO -0.1	967	1305	478	210			2960
-0.3 TO -0.2	43	146	50	24			263
-0.4 TO -0.3	8	20	6	3			37
-0.6 TO -0.4		3	1	1			5
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1659.8	2764.7	946.2	164.0			5534.7

Table 182

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4	1	3					4
1.2 TO 1.3	10	8					18
1.1 TO 1.2	12	4					16
0.8 TO 0.9	3	2					5
0.7 TO 0.8	1						1
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	7.8	7.3	0.8				16.1

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4	2	1					4
1.2 TO 1.3	2	5					7
1.1 TO 1.2	24	33	3				60
0.8 TO 0.9	4	2					6
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	26.	17.1	1.4				44.6

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			1				1
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)			2.4				2.4

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			1				1
1.2 TO 1.3							
1.1 TO 1.2			1				1
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		0.7	1.7				2.4

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		0.7	0.9				1.6

Table 183

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4	4	2					6
1.2 TO 1.3	60	20					80
1.1 TO 1.2	235	77	1				313
0.8 TO 0.9	53	24					77
0.7 TO 0.8	3		1				4
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	130.1	57.6	5.0				192.7

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1					1
1.2 TO 1.3		5	1				6
1.1 TO 1.2		12	1				13
0.8 TO 0.9		8	1				9
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		23.4	2.2				25.7

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		4	2				6
0.8 TO 0.9		2					2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		10.5	9.6				25.1

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			1				1
0.8 TO 0.9		1					1
0.7 TO 0.8			2				2
0.6 TO 0.7			1				1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		6.9	5.8				12.7

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		3					3
1.2 TO 1.3		2					2
1.1 TO 1.2	3	2					5
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	3.1	4.0	0.4				7.5

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			1				1
1.4 TO 1.5			1				1
1.3 TO 1.4			1				1
1.2 TO 1.3			2				2
1.1 TO 1.2	2		2				4
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	3.9	9.5	0.5				13.9

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1					1
0.8 TO 0.9		3					3
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.2	4.3					4.6

Table 184

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 115,000 to 125,000 lb.

LOAD FACTOR Nz	EQUIVALENT AIRSPEED — VE (KNOTS) Altitude: 0 to 2000 feet						TOTAL
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	2	1					3
1.1 TO 1.2	6	2	4				12
0.8 TO 0.9	8	2	3				13
0.7 TO 0.8	1						1
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	3.0	12.2	9.8				25.0

Table 185

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		6					6
1.2 TO 1.3	5	3					8
1.1 TO 1.2	18	27	2				47
0.8 TO 0.9	8	2	1				11
0.7 TO 0.8	2	1					3
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.9	6.4	1.3				13.6

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			3				3
0.8 TO 0.9	1						1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.9	1.1	11.7				13.7

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		0.5	2.8				3.3

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)			2.7				2.7

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)			2.0				2.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		77.5	0.5				78.0

Table 186

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							2
1.1 TO 1.2	15	19					34
0.9 TO 0.9	9	10					19
0.7 TO 0.8	1						1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	11.5	13.9					25.4

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9		2					2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		3.9					3.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		9.3					9.3

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		10.0	44.8				54.8

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.4							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		6.0					6.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1					1
0.8 TO 0.9		2					2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		48.0					48.0

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.4							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		73.4					73.4

Table 187

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5		1					1
1.3 TO 1.4	8	14	2				24
1.2 TO 1.3	44	59	8				111
1.1 TO 1.2	161	180	25				366
0.8 TO 0.9	69	51	4				124
0.7 TO 0.8	6	8					14
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	105.7	133.7	21.4				260.8

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			3				3
1.2 TO 1.3		4	7				11
1.1 TO 1.2	16	56	27				99
0.8 TO 0.9	3	28	17				48
0.7 TO 0.8		3	1				4
0.6 TO 0.7	1						1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	24.5	97.6	46.8	0.2			169.1

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0		1					1
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1	1				2
1.2 TO 1.3		4	4				8
1.1 TO 1.2		18	60				78
0.8 TO 0.9		25	42				67
0.7 TO 0.8		9	6				15
0.6 TO 0.7		2					2
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.7	77.4	125.8	0.9			206.8

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5		1					1
1.3 TO 1.4							
1.2 TO 1.3		8	1				9
1.1 TO 1.2		16	7				23
0.8 TO 0.9		29	3				32
0.7 TO 0.8		8					8
0.6 TO 0.7		2					2
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		92.9	14.8	0.6			98.3

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1	1				2
1.1 TO 1.2		17	4				21
0.8 TO 0.9	1	14	7				22
0.7 TO 0.8		2	1				3
0.6 TO 0.7	1						1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1.4	80.3	183.7	0.1			265.5

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1					1
1.1 TO 1.2	1	13					14
0.8 TO 0.9	1	1					2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.3	175.1					177.4

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		3					3
0.8 TO 0.9		3					3
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		238.5	2.0				240.5

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			NO ENTRIES				
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		10.0					10.0

Table 188

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8			1				1
1.5 TO 1.6							
1.4 TO 1.5		2					2
1.3 TO 1.4		2	1				3
1.2 TO 1.3		8	17	2			27
1.1 TO 1.2		56	54	5			115
0.8 TO 0.9		22	24				46
0.7 TO 0.8		2	2				4
0.6 TO 0.7			1				1
0.4 TO 0.6				1			1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		20.0	32.8	5.2	0.3		66.3

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			1				1
1.2 TO 1.3		1	1				2
1.1 TO 1.2		10	5				15
0.8 TO 0.9		19	3				22
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	4.8	69.2	9.0	0.5			83.5

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			3	3			6
0.8 TO 0.9			7	1			8
0.7 TO 0.8			1				1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)			44.5	21.4			65.9

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			1				1
1.2 TO 1.3							
1.1 TO 1.2			1				1
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)			48.5	0.7			49.2

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		38.5	2.0				40.5

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			3				3
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.3	104.7	90.4				195.4

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			1				1
0.8 TO 0.9			1				1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		2.0	188.6	9.2			199.8

Table 189

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	2						2
1.1 TO 1.2	18	16					34
0.8 TO 0.9	8	6					14
0.7 TO 0.8		2					2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.7	6.6					12.3

Altitude: 2000 to 5000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1					1
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		0.3					0.3

Altitude: 5000 to 10,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1					1
1.1 TO 1.2		3					3
0.8 TO 0.9		2					2
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		13.2					13.2

Altitude: 10,000 to 15,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			NO ENTRIES				
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		20.2					20.2

Altitude: 15,000 to 20,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			NO ENTRIES				
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		20.0					20.0

Altitude: 20,000 to 25,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		2					2
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		40.0	50.0				90.0

Altitude: 25,000 to 30,000 feet

EQUIVALENT AIRSPEED - VE (KNOTS)

LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		86.0					86.0

Table 190

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	5	1					6
1.1 TO 1.2	5	1					6
0.8 TO 0.9	2	1					3
0.7 TO 0.8							
0.6 TO 0.7	1						1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	8.3	1.9					10.2

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			1				1
1.2 TO 1.3			1				1
1.1 TO 1.2	1		2				3
0.8 TO 0.9			1				1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1.5		1.4				2.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1.1						1.1

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			1				1
1.1 TO 1.2		1	3				4
0.8 TO 0.9			1				1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	9.3	6.5					15.8

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			1				1
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	3.7	0.7					4.4

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		2					2
0.8 TO 0.9							
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	11.2						11.2

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.0	4.7					6.7

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	1						1
1.1 TO 1.2	1	1					2
0.8 TO 0.9	2	2					4
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	12.6	6.0					18.6

Table 191

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5		2					2
1.3 TO 1.4		2					2
1.2 TO 1.3	1	6					7
1.1 TO 1.2	12	25	1				38
1.0 TO 0.9	9	12					21
0.9 TO 0.8	1	2					3
0.8 TO 0.7							
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1.9	11.2	0.3				13.4

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			1				1
1.2 TO 1.3							
1.1 TO 1.2		3					3
1.0 TO 0.9							
0.9 TO 0.8		1					1
0.8 TO 0.7							
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		4.7	1.0				5.7

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1	1				2
1.2 TO 1.3							
1.1 TO 1.2	14	23					37
1.0 TO 0.9	4	5	1				10
0.9 TO 0.8		1					1
0.8 TO 0.7							
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	25.2	41.4	3.6				70.2

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4		1					1
1.2 TO 1.3		1					1
1.1 TO 1.2		1					1
1.0 TO 0.9							
0.9 TO 0.8							
0.8 TO 0.7							
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		6.7					6.7

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
1.0 TO 0.9							
0.9 TO 0.8							
0.8 TO 0.7							
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		4.0					4.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
1.0 TO 0.9							
0.9 TO 0.8							
0.8 TO 0.7							
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		10.3					10.3

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.6 TO 2.8							
2.4 TO 2.6							
2.2 TO 2.4							
2.0 TO 2.2							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		2					2
1.0 TO 0.9		3					3
0.9 TO 0.8		2					2
0.8 TO 0.7							
0.6 TO 0.6							
0.4 TO 0.4							
0.2 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		5.6					5.6

Table 192

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6	3	3					6
1.4 TO 1.5	6	16					22
1.3 TO 1.4	33	65	4	1			103
1.2 TO 1.3	182	134	14				330
1.1 TO 1.2	675	409	31	3			1118
0.8 TO 0.9	319	152	14				485
0.7 TO 0.8	29	29	2				60
0.6 TO 0.7	3						3
0.4 TO 0.6	2	2					4
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	385.6	271.0	41.6	2.7			700.7

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5	4		1				5
1.3 TO 1.4	8	11	4	1			24
1.2 TO 1.3	25	15	11	2			54
1.1 TO 1.2	120	98	35	6			259
0.8 TO 0.9	62	56	16	2			136
0.7 TO 0.8	7	16	2				25
0.6 TO 0.7	1	3					4
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	74.7	101.0	29.8	7.6			213.2

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			3	1			4
1.3 TO 1.4		2					2
1.2 TO 1.3		10	9	3			22
1.1 TO 1.2	2	28	29	5			56
0.8 TO 0.9		8	18				26
0.7 TO 0.8			3	1			4
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	3.4	28.2	33.2	17.4			82.2

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			1	1			2
1.2 TO 1.3			7	1			8
1.1 TO 1.2		3	16	10			29
0.8 TO 0.9		1	10	2			13
0.7 TO 0.8			1	1			2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		20.0	21.6	11.5			53.2

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			1				1
1.3 TO 1.4		2		1			3
1.2 TO 1.3		5	9	2			16
1.1 TO 1.2		20	6	1			27
0.8 TO 0.9	2	8	5	2			17
0.7 TO 0.8		1	1				2
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	7.9	32.8	19.0	3.4			64.1

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1	2				3
1.1 TO 1.2	10	24	16				50
0.8 TO 0.9	4	13	11				28
0.7 TO 0.8		1	1				2
0.6 TO 0.7		3					3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	13.4	59.7	93.8				166.9

Table 193

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			2	3			5
1.4 TO 1.5	13	21	4				38
1.3 TO 1.4	112	125	10				247
1.2 TO 1.3	739	659	51				1449
1.1 TO 1.2	3285	1994	147	2			5428
0.8 TO 0.9	1444	1004	73	16			2759
0.7 TO 0.8	214	155	12	3			384
0.6 TO 0.7	28	23	1				52
0.4 TO 0.6	3	2					5
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1061.6	1485.8	156.6	39.3			3743.3

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			3	2			5
1.4 TO 1.5	1	2	3	1			7
1.3 TO 1.4	10	27	20	8			65
1.2 TO 1.3	43	180	70	3			296
1.1 TO 1.2	256	763	185	12			1216
0.8 TO 0.9	205	536	112	6			859
0.7 TO 0.8	30	79	30	1			140
0.6 TO 0.7	4	8	3	1			16
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	236.8	954.3	149.3	16.5			1354.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5			2	4	2		8
1.3 TO 1.4			7	16	1		24
1.2 TO 1.3	4	41	60	16			121
1.1 TO 1.2	18	193	178	29			418
0.8 TO 0.9	25	148	85	10			268
0.7 TO 0.8	1	19	12	1			33
0.6 TO 0.7		3	3				6
0.4 TO 0.6	1		1				2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	88.2	711.1	330.8	24.9			1160.9

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6				1			1
1.4 TO 1.5							
1.3 TO 1.4			1	8	3		12
1.2 TO 1.3	2	11	25	2			40
1.1 TO 1.2	25	75	119	12			231
0.8 TO 0.9	11	62	53	9			135
0.7 TO 0.8	4	6	1				11
0.6 TO 0.7		1					1
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	55.7	453.0	200.1	10.7			719.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6				1			1
1.4 TO 1.5				5			5
1.3 TO 1.4			11	5	2		18
1.2 TO 1.3	2	34	33	1			70
1.1 TO 1.2	26	190	72	3			291
0.8 TO 0.9	33	168	53	2			256
0.7 TO 0.8	3	26	5				34
0.6 TO 0.7	1	4	1				6
0.4 TO 0.6		2					2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	93.6	904.8	197.5	2.8			1198.8

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4	3	7					10
1.2 TO 1.3	10	34	5				49
1.1 TO 1.2	41	249	26				316
0.8 TO 0.9	25	117	14				156
0.7 TO 0.8	6	19	1				26
0.6 TO 0.7	3	3					6
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	157.0	1084.3	212.2				1453.5

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			1				1
1.1 TO 1.2			20	1			21
0.8 TO 0.9			6	2			8
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	7.7	140.3	4.5				172.5

Altitude: 30,000 feet and Above

LOAD FACTOR NZ	EQUIVALENT AIRSPEED — VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	3	6					9
0.8 TO 0.9	2	4					6
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	16.8	50.3					67.2

Table 194

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4			1	1			2
1.2 TO 1.3	26	21					47
1.1 TO 1.2	95	79	10				184
0.8 TO 0.9	78	28	7				105
0.7 TO 0.8	8	8	1				17
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	41.4	55.3	11.3				107.9

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		5					5
0.8 TO 0.9		8					8
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		6.8					6.8

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			1				1
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		0.0	0.0				0.0

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		2.0					2.0

Table 195

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission IV (Search and Rescue) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.6 TO	2.8							
2.8 TO	2.6							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6	1	1					2
1.4 TO	1.5	2						2
1.3 TO	1.4	11	13					24
1.2 TO	1.3	92	35					87
1.1 TO	1.2	247	78	1				326
0.8 TO	0.9	45	30					75
0.7 TO	0.8	1	1					2
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4	-						
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (HRS)		249.9	101.2	0.2				351.2

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.6 TO	2.8							
2.8 TO	2.6							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5							
1.3 TO	1.4							
1.2 TO	1.3		2					2
1.1 TO	1.2	3	14					17
0.8 TO	0.9	4	4					9
0.7 TO	0.8							
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (HRS)		9.6	40.3	2.0				48.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.6 TO	2.8							
2.8 TO	2.6							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5							
1.3 TO	1.4							
1.2 TO	1.3							
1.1 TO	1.2		4					4
0.8 TO	0.9		5					5
0.7 TO	0.8							
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (HRS)		78.6	2.9					79.6

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.6 TO	2.8							
2.8 TO	2.6							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5							
1.3 TO	1.4							
1.2 TO	1.3							
1.1 TO	1.2							
0.8 TO	0.9			1				1
0.7 TO	0.8							
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (HRS)			8.7	11.6				20.3

Altitude: 15,000 to 20,000 feet

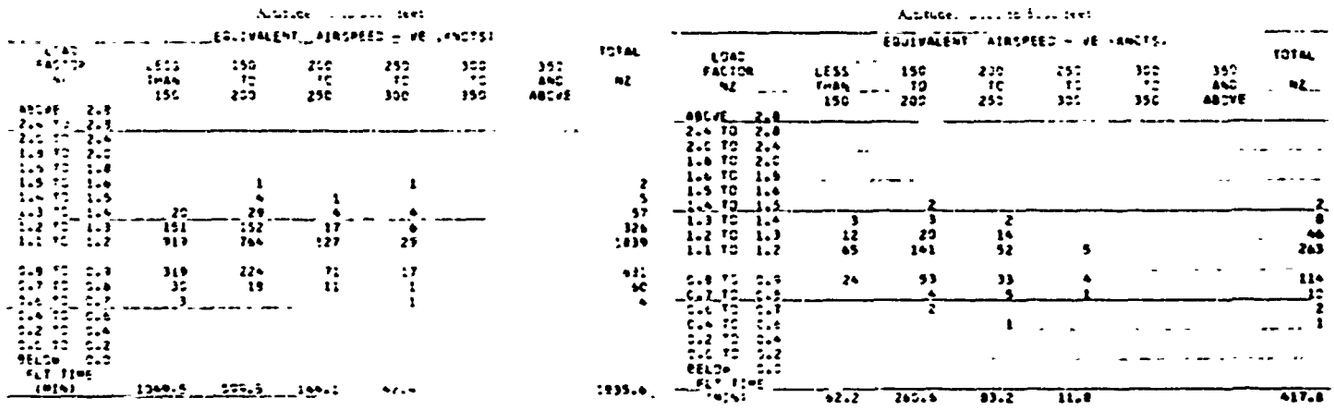
LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.6 TO	2.8							
2.8 TO	2.6							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5							
1.3 TO	1.4			1				1
1.2 TO	1.3							
1.1 TO	1.2			9				9
0.8 TO	0.9			12				12
0.7 TO	0.8							
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (HRS)		14.2	86.7					101.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE	2.8							
2.6 TO	2.8							
2.8 TO	2.6							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5							
1.3 TO	1.4							
1.2 TO	1.3							
1.1 TO	1.2		1					1
0.8 TO	0.9		1					1
0.7 TO	0.8							
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (HRS)			18.7	2.0				20.7

Table 196

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission IV (Search and Rescue) — Gross Weight Range: 105,000 to 115,000 lb.



Altitude: 10,000 to 15,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5		2					2
1.3 TO 1.4	3	3	2				8
1.2 TO 1.3	12	29	14				46
1.1 TO 1.2	65	141	52	5			263
0.9 TO 0.9	24	53	33	4			114
0.7 TO 0.9		4	5	1			10
0.6 TO 0.7		2					2
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	92.2	260.6	83.2	11.8			417.8

Altitude: 15,000 to 20,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4	2	3	1	1			7
1.2 TO 1.3	1	9	13	1			24
1.1 TO 1.2	33	72	48	16			181
0.9 TO 0.9	12	26	25	5			69
0.7 TO 0.8		4	4	2			10
0.6 TO 0.7		1	1				2
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	95.5	372.5	294.7	73.3			762.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		2		1			3
1.1 TO 1.2	4	33	5	1			43
0.9 TO 0.9		14	5				19
0.7 TO 0.8	1	2					3
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4		1					1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	20.1	230.3	99.1	8.7			360.1

Altitude: 25,000 to 30,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1					1
0.9 TO 0.9		7					7
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		314.3					314.3

Altitude: 30,000 to 35,000 feet

LOAD FACTOR Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL Nz
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		2					2
1.1 TO 1.2		6	7				13
0.9 TO 0.9		14	6				20
0.7 TO 0.8		4	3				7
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	20.0	206.8	164.1				390.9

Table 197

HC-130G — Distribution of Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission IV (Search and Rescue) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.2 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4	1	1	1				3
1.2 TO 1.3	6	6					12
1.1 TO 1.2	73	28	4				105
0.9 TO 0.9	44	29	2				75
0.7 TO 0.8	4						4
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	67.4	28.6	4.5				100.4

Altitude: 2000 to 5000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.2 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			2				2
0.9 TO 0.9		1	1				2
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	28.9	4.0					32.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			10				10
0.9 TO 0.9			9				9
0.7 TO 0.8			1				1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		29.7					29.7

Altitude: 10,000 to 15,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	NO ENTRIES						
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	31.9	2.7					34.6

Altitude: 15,000 to 20,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2			3				3
0.8 TO 0.9			1				1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	8.2	57.3	8.6				74.1

Altitude: 20,000 to 25,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	1						1
1.1 TO 1.2		4					4
0.8 TO 0.9		3					3
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	29.0	74.2	14.0				117.2

Altitude: 25,000 to 30,000 feet

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	NO ENTRIES						
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	4.0	80.0					84.0

Table 198

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 95, 000 to 105, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.4 TO 0.6			1				7
0.2 TO 0.4	2	32	4				41
0.1 TO 0.2	48	79	12				139
-0.2 TO -0.1	16	48	6				72
-0.3 TO -0.2	1	4	3				8
-0.4 TO -0.3		1					1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	7.8	7.5	0.8				16.1

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3	7	6	3				16
0.1 TO 0.2	60	63	6				129
-0.2 TO -0.1	41	34	1				76
-0.3 TO -0.2	1	3					4
-0.4 TO -0.3	1						1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	26.1	17.1	1.4				44.6

Altitude: 5000 to 10 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			7				7
-0.2 TO -0.1			4				4
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)			2.4				2.4

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		8					8
-0.2 TO -0.1		1					1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		0.7	1.7				2.4

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			7				7
0.1 TO 0.2		6	19				25
-0.2 TO -0.1		6	3				9
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		0.7	0.9				1.6

Table 199

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 105, 000 to 115, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4	2						2
0.2 TO 0.3	37	12	4				53
0.1 TO 0.2	254	63	24				341
-0.2 TO -0.1	222	104	49				375
-0.3 TO -0.2	18	5	6				29
-0.4 TO -0.3		1	1				2
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	136.1	51.6	5.0				192.7

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3		2					2
0.1 TO 0.2		17					17
-0.2 TO -0.1		19					19
-0.3 TO -0.2		3					3
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		23.4	2.2				25.7

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		2					2
0.3 TO 0.4		6					6
0.2 TO 0.3		21					21
0.1 TO 0.2		112	1				113
-0.2 TO -0.1		96	9				105
-0.3 TO -0.2		12					12
-0.4 TO -0.3		9					9
-0.6 TO -0.4		3					3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		18.5	6.6				25.1

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3		9					9
0.1 TO 0.2		27	3				30
-0.2 TO -0.1		24					24
-0.3 TO -0.2		3					3
-0.4 TO -0.3		1					1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		9.9	5.8				12.7

Altitude: 13, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		3	1				4
0.2 TO 0.3	1	5	1				7
-0.2 TO -0.1		7	1				8
-0.3 TO -0.2			1				1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	3.1	4.0	3.4				7.5

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1					1
0.5 TO 0.6		3					3
0.4 TO 0.5	1	8	1				10
0.3 TO 0.4	3	17	1				21
0.2 TO 0.3	2	24	8				14
0.1 TO 0.2	7	43	5				55
-0.2 TO -0.1	1	25	3				29
-0.3 TO -0.2	1	14					15
-0.4 TO -0.3		7					7
-0.6 TO -0.4	1	3					4
-0.8 TO -0.6		1					1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	3.9	9.5	0.5				13.9

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0	1						1
0.6 TO 0.8	2						2
0.5 TO 0.6	2	1					3
0.4 TO 0.5	1						1
0.3 TO 0.4	2	1					3
0.2 TO 0.3	5	3					8
0.1 TO 0.2	4	7					11
-0.2 TO -0.1	3	6					9
-0.3 TO -0.2	2	6					8
-0.4 TO -0.3	1	2					3
-0.6 TO -0.4	6	2					8
-0.8 TO -0.6	1						1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.5	4.3					4.8

Table 200

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Airdrop) — Gross Weight Range: 115, 000 to 125, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			2				2
0.2 TO 0.3		6	6				12
0.1 TO 0.2	6	56	66				128
-0.2 TO -0.1	4	72	85				161
-0.3 TO -0.2	1	2	6				9
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	3.0	12.2	9.8				25.0

Table 201

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2	12	15	2				29
-0.2 TO -0.1	13	11	1				25
-0.3 TO -0.2	3						3
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	5.9	6.4	1.3				13.6

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1			2				2
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.9	1.1	11.7				13.7

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		0.5	2.8				3.3

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)			2.7				2.7

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)			2.0				2.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1		1					1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		77.5	0.5				78.0

Table 202

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet

NO ENTRIES

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA Nz
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1		1					1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		3.0					3.0

Altitude: 5000 to 10,000 feet

NO ENTRIES

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA Nz
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			1				1
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		9.3					9.3

Altitude: 15,000 to 20,000 feet

NO ENTRIES

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA Nz
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		6.0					6.0

Altitude: 25,000 to 30,000 feet

NO ENTRIES

Altitude: 25,000 to 28,000 feet

LOAD FACTOR DELTA Nz	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA Nz
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		73.4					73.4

Table 203

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 105, 000 to 115, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			1				1
0.3 TO 0.4	2	5	1				8
0.2 TO 0.3	22	50					72
0.1 TO 0.2	175	213	42				430
-0.2 TO -0.1	160	177	47				384
-0.3 TO -0.2	13	8	3				24
-0.4 TO -0.3		1					1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	185.7	133.7	21.4				260.8

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			1				1
0.2 TO 0.3	1	6	2				9
0.1 TO 0.2	18	30	51				99
-0.2 TO -0.1	6	44	51				101
-0.3 TO -0.2		5	2				7
-0.4 TO -0.3		1					1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	24.5	97.6	46.8	0.2			169.1

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		1					1
0.3 TO 0.4		4	2				6
0.2 TO 0.3		7	9				16
0.1 TO 0.2		84	24				108
-0.2 TO -0.1		100	31				131
-0.3 TO -0.2		14	11				25
-0.4 TO -0.3		1	2				3
-0.6 TO -0.4		1					1
-0.8 TO -0.6			1				1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.7	77.4	125.8	0.9			206.8

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5		2					2
0.3 TO 0.4		4	1				5
0.2 TO 0.3		23	1				24
0.1 TO 0.2		115	1				116
-0.2 TO -0.1		123	4				127
-0.3 TO -0.2		23	1				24
-0.4 TO -0.3		13					13
-0.6 TO -0.4		5					5
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		82.9	15.8	0.6			98.3

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		1	1				2
0.3 TO 0.4		2	1				3
0.2 TO 0.3		9	2				11
0.1 TO 0.2		29	13	2			44
-0.2 TO -0.1		34	10	2			46
-0.3 TO -0.2		7	3				10
-0.4 TO -0.3		1	1				2
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1.4	80.3	183.7	0.1			265.5

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		11					11
-0.2 TO -0.1	1	8					9
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.3	175.1					177.4

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		4					4
-0.2 TO -0.1		9					9
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		236.5	3.8				240.5

Altitude: 30, 000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		10.0					10.9

NO ENTRIES

Table 204

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 115, 000 to 125, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		2		1			3
0.2 TO 0.3	6	6					12
0.1 TO 0.2	25	35	19	1			80
-0.2 TO -0.1	39	52	17				108
-0.3 TO -0.2		1	2				3
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	28.0	32.8	5.2	0.3			66.3

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		20	3				23
-0.2 TO -0.1		51	1				52
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	4.8	69.2	9.8	0.5			83.5

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		1					1
0.1 TO 0.2		8	2				10
-0.2 TO -0.1		4					4
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		44.5	21.4				65.9

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3		5					5
0.1 TO 0.2		22					22
-0.2 TO -0.1		18					18
-0.3 TO -0.2		5					5
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		49.5	0.7				49.2

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		5	7				12
-0.2 TO -0.1		6	3				9
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		38.5	2.0				40.5

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			1				1
0.1 TO 0.2		5	7				12
-0.2 TO -0.1		1	11				12
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	0.3	106.7	88.4				195.4

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		15	3				18
-0.2 TO -0.1		13	2				15
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.0	168.6	5.2				175.8

Table 205

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Logistics and Cross Country) — Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		2					2
0.2 TO 0.3	2	1					3
0.1 TO 0.2	7	5					12
-0.2 TO -0.1	2	4					6
-0.3 TO -0.2	1						1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	5.7	6.6					12.3

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2	NO ENTRIES						
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	6.3						6.3

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		1					1
-0.2 TO -0.1		5					5
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		13.2					13.2

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		2					2
0.1 TO 0.2		7					7
-0.2 TO -0.1		9					9
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		20.2					20.2

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2	NO ENTRIES						
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		28.0					28.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			1				1
-0.2 TO -0.1			1				1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		40.0	50.0				90.0

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		3					3
-0.2 TO -0.1		1					1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		86.0					86.0

Table 206

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 75, 000 to 85, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4	1	1					2
0.2 TO 0.3	8	4					12
0.1 TO 0.2	45	11					56
-0.2 TO -0.1	40	10					50
-0.3 TO -0.2	5	2					7
-0.4 TO -0.3	1						1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	8.3	1.9					10.2

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			1				1
0.1 TO 0.2	4		5				9
-0.2 TO -0.1	10		2				12
-0.3 TO -0.2			1				1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1.5		1.4				2.9

Altitude: 5000 to 10 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1			1				1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)			1.1				1.1

Altitude: 10 000 to 15 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		9.3	6.5				15.8

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		3.7	0.7				4.4

Altitude: 20, 000 to 25 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		11.2					11.2

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2.0	4.7					6.7

Altitude: 30, 000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			NO ENTRIES				
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	12.6	6.0					18.6

Table 207

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 85, 000 to 95, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4		1					1
0.2 TO 0.3		9					9
0.1 TO 0.2	1	35					36
-0.1 TO -0.2		18					18
-0.2 TO -0.3							
-0.3 TO -0.4		2					2
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	1.9	11.2	0.3				13.4

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.1 TO -0.2							
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	4.7	1.0					5.7

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2	1						1
-0.1 TO -0.2		1					1
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	25.2	41.4	3.6				70.2

Altitude: 10 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.1 TO -0.2							
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)	6.7						6.7

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.1 TO -0.2							
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)		4.8					4.8

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.1 TO -0.2							
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)		10.3					10.3

Altitude: 25, 000 to 30, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.1 TO -0.2							
-0.2 TO -0.3							
-0.3 TO -0.4							
-0.4 TO -0.5							
-0.5 TO -0.6							
-0.6 TO -0.8							
-0.8 TO -1.0							
BELOW -1.0							
FLT TIME (MIN)		5.6					5.6

Table 208

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 95, 000 to 105, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6	1	1					2
0.4 TO 0.5	3	8					11
0.3 TO 0.4	19	37					56
0.2 TO 0.3	112	129	9	1			251
0.1 TO 0.2	673	530	98	17			1318
-0.2 TO -0.1	494	447	77	7			1025
-0.3 TO -0.2	57	50	5	1			113
-0.4 TO -0.3	11	3					15
-0.6 TO -0.4		3					3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	385.4	271.8	41.6	2.7			709.7

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8							
0.5 TO 0.6		1					1
0.4 TO 0.5	1	2	3				6
0.3 TO 0.4		9	2				11
0.2 TO 0.3	31	31	22				84
0.1 TO 0.2	148	111	61	15			335
-0.2 TO -0.1	129	122	51	21			323
-0.3 TO -0.2	16	17	10				43
-0.4 TO -0.3	2	1	1				4
-0.6 TO -0.4			2				2
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	74.7	101.0	29.8	7.6			213.2

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			1				1
0.1 TO 0.2		6	6				12
-0.2 TO -0.1		3	6	2			11
-0.3 TO -0.2		1					1
-0.4 TO -0.3		1	1				2
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	3.4	28.2	33.2	17.4			82.2

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			1	2			3
-0.2 TO -0.1				2			2
-0.3 TO -0.2							
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		20.0	21.6	11.5			53.2

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		2	7				9
-0.2 TO -0.1		3	12				15
-0.3 TO -0.2			1				1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	7.9	32.8	19.8	3.6			64.1

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			2				2
0.3 TO 0.4			7				7
0.2 TO 0.3		1	48				49
0.1 TO 0.2		19	277				295
-0.2 TO -0.1		9	342				351
-0.3 TO -0.2		2	57				59
-0.4 TO -0.3			8				8
-0.6 TO -0.4			3				3
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	13.4	53.2	33.0				146.0

Table 209

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8	1	1					2
0.5 TO 0.6	4	1	1				6
0.4 TO 0.5	7	8					15
0.3 TO 0.4	60	71	3	5			139
0.2 TO 0.3	530	384	18	37			997
0.1 TO 0.2	3318	2223	347	206			6094
-0.2 TO -0.1	2939	2054	315	284			5597
-0.3 TO -0.2	344	215	26	27			612
-0.4 TO -0.3	31	34	2	6			73
-0.6 TO -0.4	9	1					10
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1861.4	1405.6	154.6	39.3			3543.1

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO .8			1				1
0.5 TO 0.6			1				1
0.4 TO 0.5	1	3	5				9
0.3 TO 0.4	3	18	34	2			57
0.2 TO 0.3	34	105	93	7			239
0.1 TO 0.2	242	717	315	59			1329
-0.2 TO -0.1	236	580	287	69			1172
-0.3 TO -0.2	25	70	60	3			158
-0.4 TO -0.3	2	12	4	2			20
-0.6 TO -0.4	1	1	3				5
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	234.8	954.3	149.3	16.5			1354.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1				1
0.6 TO 0.8							
0.5 TO 0.6			5				5
0.4 TO 0.5		1	14				15
0.3 TO 0.4		5	29				34
0.2 TO 0.3	1	54	117	3			175
0.1 TO 0.2	7	225	699	11			852
-0.2 TO -0.1	7	164	496	8			675
-0.3 TO -0.2		28	105				133
-0.4 TO -0.3		6	42				48
-0.6 TO -0.4		4	6				10
-0.8 TO -0.6		1	3				4
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	60.2	711.1	350.8	24.9			1146.9

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5			1				1
0.3 TO 0.4			4				4
0.2 TO 0.3	1		13	1			15
0.1 TO 0.2	2	10	52	4			68
-0.2 TO -0.1	1	4	26	1			36
-0.3 TO -0.2			5				5
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	55.7	453.0	200.1	10.7			719.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			1				1
0.2 TO 0.3			8				8
0.1 TO 0.2	1	15	54	2			72
-0.2 TO -0.1	1	13	58	2			74
-0.3 TO -0.2		1	7				8
-0.4 TO -0.3		1					1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	93.6	904.0	197.5	2.8			1198.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			2	1			3
0.1 TO 0.2	5	31	49				85
-0.2 TO -0.1	11	33	18				62
-0.3 TO -0.2		1	1				2
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	157.0	1084.3	212.2				1453.5

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			1				1
0.1 TO 0.2		10	1				11
-0.2 TO -0.1		7	2				9
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	7.7	160.3	4.5				172.5

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2	1	2					3
-0.2 TO -0.1	3						3
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	16.8	50.3					67.2

Table 210

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			1				1
0.2 TO 0.3	8	11	1				20
0.1 TO 0.2	48	70	20				138
-0.2 TO -0.1	54	66	44				164
-0.3 TO -0.2	5	1	3				9
-0.4 TO -0.3	1						1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	61.4	55.3	11.3				107.9

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		1					1
0.1 TO 0.2		11					11
-0.2 TO -0.1		7					7
-0.3 TO -0.2		1					1
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	6.0						6.0

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2	NO ENTRIES						
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		4.9	0.8				5.6

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2	NO ENTRIES						
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)							0.0

Table 211

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission IV (Search and Rescue) — Gross Weight Range: 95, 000 to 105, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5		1	2				3
0.3 TO 0.4		1	8				9
0.2 TO 0.3	5	55					60
0.1 TO 0.2	131	292					423
-0.2 TO -0.1	103	260					363
-0.3 TO -0.2	6	38					44
-0.4 TO -0.3	2	6					8
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	248.0	103.0	0.2				351.2

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			1				1
0.2 TO 0.3							
0.1 TO 0.2	1	9					10
-0.2 TO -0.1	4	10					14
-0.3 TO -0.2		4					4
-0.4 TO -0.3		2					2
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	6.6	40.3	2.0				48.9

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		26	4				30
-0.2 TO -0.1		31	4				35
-0.3 TO -0.2		1	1				2
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		74.6	2.5				77.1

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		3					3
-0.2 TO -0.1		7					7
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		8.7	11.6				20.3

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1			1				1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		14.3	86.7				101.0

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		18.7	2.0				20.7

Table 212

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission IV (Search and Rescue) — Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.9							
0.6 TO 0.8	2		1				3
0.5 TO 0.6		1	1	3			5
0.3 TO 0.4	6	20	7				33
0.2 TO 0.3	46	89	25	16			176
0.1 TO 0.2	958	958	240	132			2338
-0.2 TO -0.1	813	792	326	183			2112
-0.3 TO -0.2	36	70	29	22			186
-0.4 TO -0.3	4	10	3	2			19
-0.6 TO -0.4		1		1			2
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1049.5	593.5	144.1	42.4			1835.6

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5			3				3
0.3 TO 0.4			3				3
0.2 TO 0.3	1	13	11				25
0.1 TO 0.2	17	122	67	19			225
-0.2 TO -0.1	17	107	67	22			213
-0.3 TO -0.2		11	12	2			25
-0.4 TO -0.3	1	1	3				5
-0.6 TO -0.4			1				1
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	62.2	240.4	83.2	11.8			417.8

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		1					1
0.3 TO 0.4		3					3
0.2 TO 0.3		5	4	1			10
0.1 TO 0.2	5	38	36	10			89
-0.2 TO -0.1	2	37	45	5			89
-0.3 TO -0.2	1	7	6				14
-0.4 TO -0.3	1	1		1			3
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	59.5	372.5	256.7	73.3			762.0

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 0.9							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5		1					1
0.3 TO 0.4			1				1
0.2 TO 0.3		1	3				4
0.1 TO 0.2		6	4				10
-0.2 TO -0.1		19	4				23
-0.3 TO -0.2		2					2
-0.4 TO -0.3							
-0.6 TO -0.4		2					2
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	85.2	168.7	57.2	35.8			346.9

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3		1					1
0.1 TO 0.2		12					12
-0.2 TO -0.1		10					10
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	20.1	250.1	98.1	0.7			369.1

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.6 TO 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3			1				1
0.1 TO 0.2		4	11				15
-0.2 TO -0.1		2	18				20
-0.3 TO -0.2		1	1				2
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	20.0	206.8	168.1				394.9

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.6							
1.2 TO 1.4							
1.0 TO 1.2							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		10					10
-0.2 TO -0.1		1					1
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		314.3					314.3

Table 213

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission IV (Search and Rescue) — Gross Weight Range: 115, 000 to 125, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	2	3	3				8
0.1 TO 0.2	28	28	28				84
-0.2 TO -0.1	28	19	15				62
-0.3 TO -0.2		3	1				4
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	67.4	28.8	4.5				100.4

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2		3					3
-0.2 TO -0.1		10					10
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		29.7					29.7

Altitude: 5000 to 10, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2			1				1
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		28.9	4.0				32.9

Altitude: 10, 000 to 15, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)		31.9	2.7				34.6

Altitude: 15, 000 to 20, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	8.2	57.3	8.6				74.1

Altitude: 20, 000 to 25, 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2	NO ENTRIES						
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	29.0	74.2	14.0				117.2

Altitude: 25 000 to 33 000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3	NO ENTRIES						
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	6.0	90.3					96.0

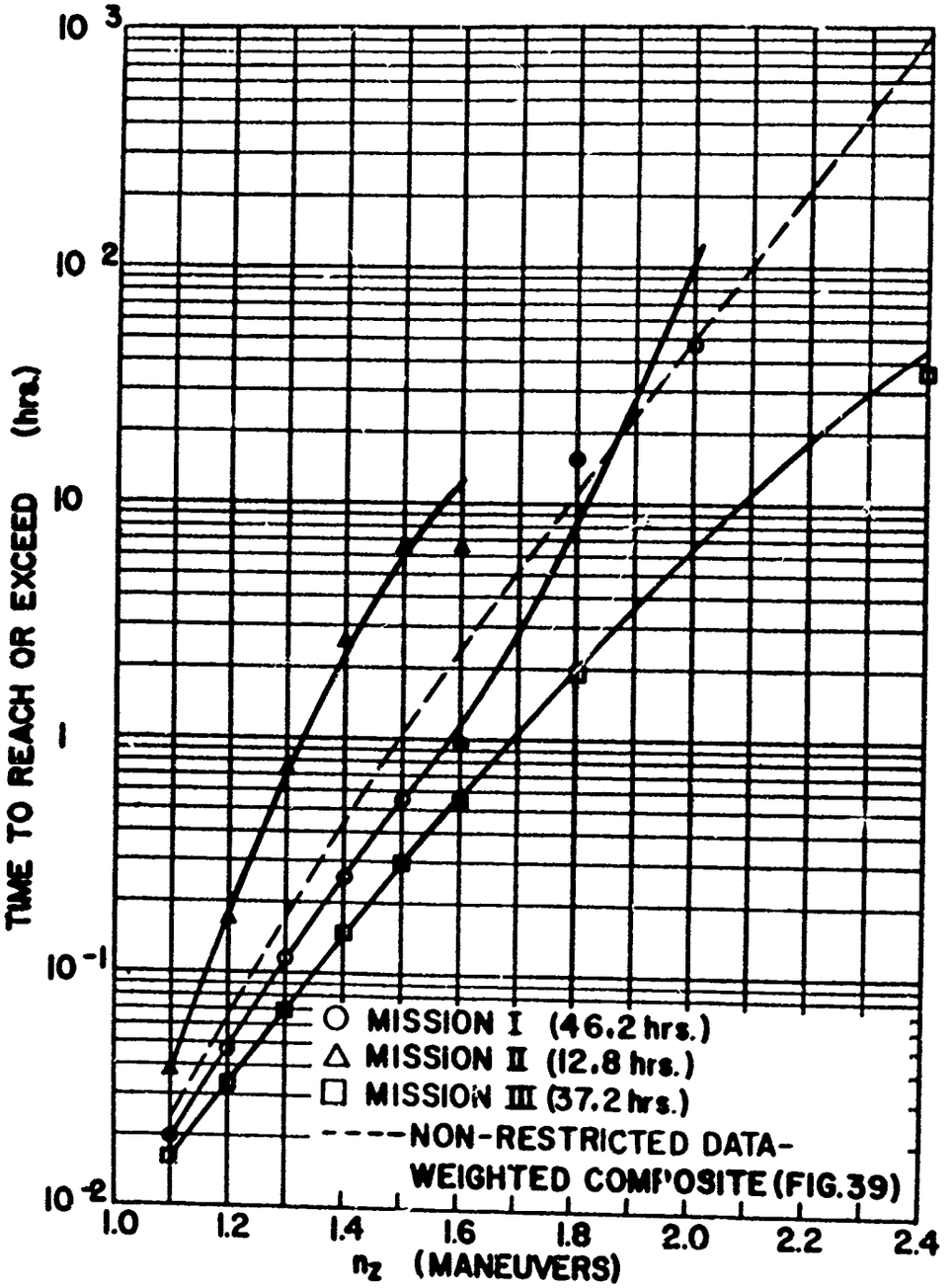


Figure 71. C-130B (Swift Strike III Exercise) — Maneuver Load Factor Exceedance Curves — Mission I (Airdrop), Mission II (Logistics and Cross Country), and Mission III (Training)

Table 214

C-130B (Swift Strike III Exercises) — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission I (Airdrop)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	317.5	119.6	589.5	821.7	0.6		1,848.9
2,000- 5,000	37.6	45.9	268.8	476.7			828.9
5,000- 10,000		11.2	68.6	11.7			91.5
10,000- 15,000							0.
15,000-20,000							0.
20,000-25,000							0.
25,000-30,000							0.
30,000& ABOVE							0.
TOTAL TIME (MIN)	355.1	176.6	926.9	1,310.1	0.6	0	2,769.3

Table 215

C-130B (Swift Strike III Exercises) — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission II (Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	38.5	33.9	67.8	110.4			250.6
2,000- 5,000	25.0	71.9	20.6	1.0			118.5
5,000- 10,000	7.8	18.6	16.9				43.4
10,000- 15,000	9.7	129.4	4.6				143.6
15,000-20,000	8.0	17.5	3.8				29.3
20,000-25,000	5.2	103.1	57.6				165.8
25,000-30,000	10.2	1.6					11.8
30,000& ABOVE	3.5						3.5
TOTAL TIME (MIN)	107.8	376.1	171.3	111.4	0.	0.	766.7

Table 216

C-130B (Swift Strike III Exercises) — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	266.7	124.4	484.1	834.7			1,709.8
2,000- 5,000	8.0	23.9	190.7	305.3			528.0
5,000- 10,000			2.0	1.1			3.1
10,000- 15,000							0.
15,000-20,000							0.
20,000-25,000							0.
25,000-30,000							0.
30,000& ABOVE							0.
TOTAL TIME (MIN)	274.7	148.3	676.8	1,141.2	0.	0.	2,241.0

Table 217

C-130B (Swift Strike III Exercises) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Composite for Mission I (Airdrop)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			1	1			2
1.6 TO 1.8	3	8	28	7			46
1.5 TO 1.6	4	4	20	8			36
1.4 TO 1.5	13	13	46	23			95
1.3 TO 1.4	67	24	68	52			211
1.2 TO 1.3	222	91	150	124			587
1.1 TO 1.2	512	198	315	385			1410
0.8 TO 0.9	287	100	154	180			721
0.7 TO 0.8	36	31	53	45			165
0.6 TO 0.7	5	5	10	10			30
0.4 TO 0.6	2		5	6			13
0.2 TO 0.4	1						1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	355.1	176.6	926.9	1310.1	0.6		2769.3

Table 218

C-130B (Swift Strike III Exercises) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Composite for Mission II (Logistics and Cross Country)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		1	1				2
1.5 TO 1.6							
1.4 TO 1.5	1	2					3
1.3 TO 1.4	4	5	4				13
1.2 TO 1.3	20	21	11	5			57
1.1 TO 1.2	76	102	41	36			255
0.8 TO 0.9	32	34	24	17			107
0.7 TO 0.8	2	1	1	4			8
0.6 TO 0.7		1	1				2
0.4 TO 0.6	2						2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	107.8	376.1	171.3	111.4			766.7

Table 219

C-130B (Swift Strike III Exercises) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Composite for Mission III (Training)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8				1			1
2.0 TO 2.4		1		3			4
1.8 TO 2.0		2	10	3			15
1.6 TO 1.8	6	9	20	16			51
1.5 TO 1.6	5	15	15	21			56
1.4 TO 1.5	13	21	52	37			123
1.3 TO 1.4	57	63	96	66			282
1.2 TO 1.3	158	114	174	168			614
1.1 TO 1.2	412	172	225	297			1106
0.8 TO 0.9	279	82	158	202			721
0.7 TO 0.8	29	30	82	95			236
0.6 TO 0.7	4		23	36			63
0.4 TO 0.6	4	3	12	13			32
0.2 TO 0.4				4			4
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	274.7	148.3	676.8	1141.2			2241.0

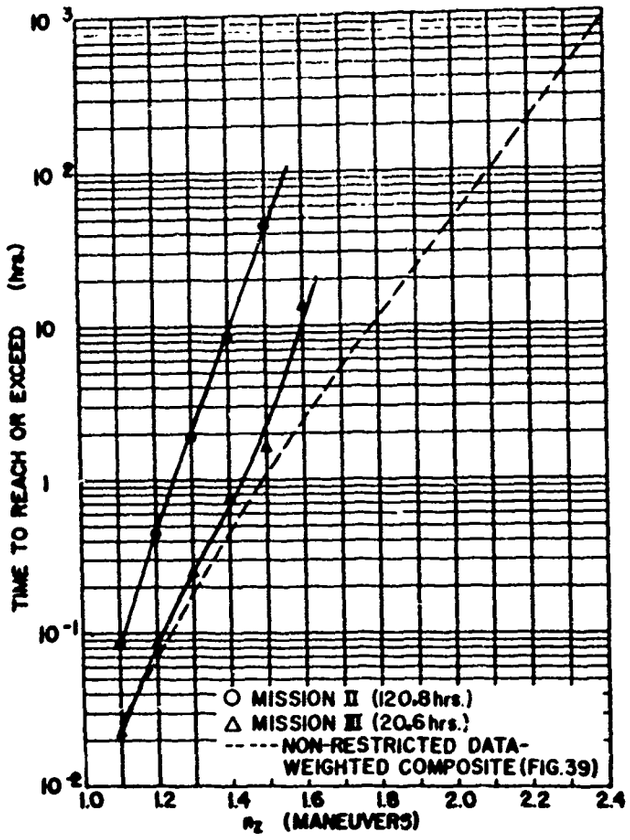


Figure 72. C-130B (Restricted Operation) — Maneuver Load Factor Exceedance Curves — Mission II (Logistics and Cross Country) and Mission III (Training)

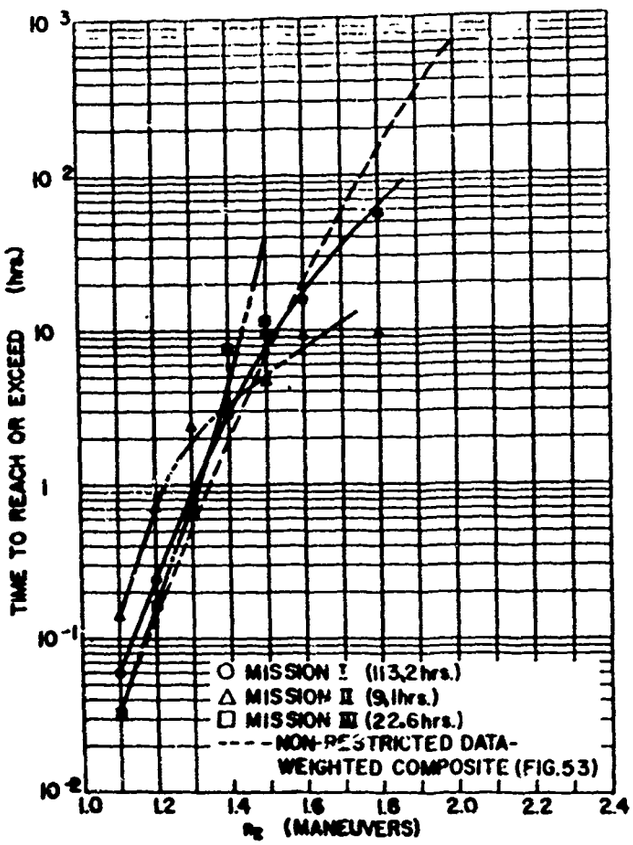


Figure 73

JC-130 (Restricted Operation) — Maneuver Load Factor Exceedance Curves — Mission I (Airdrop), Mission II (Logistics and Cross Country), and Mission III (Training)

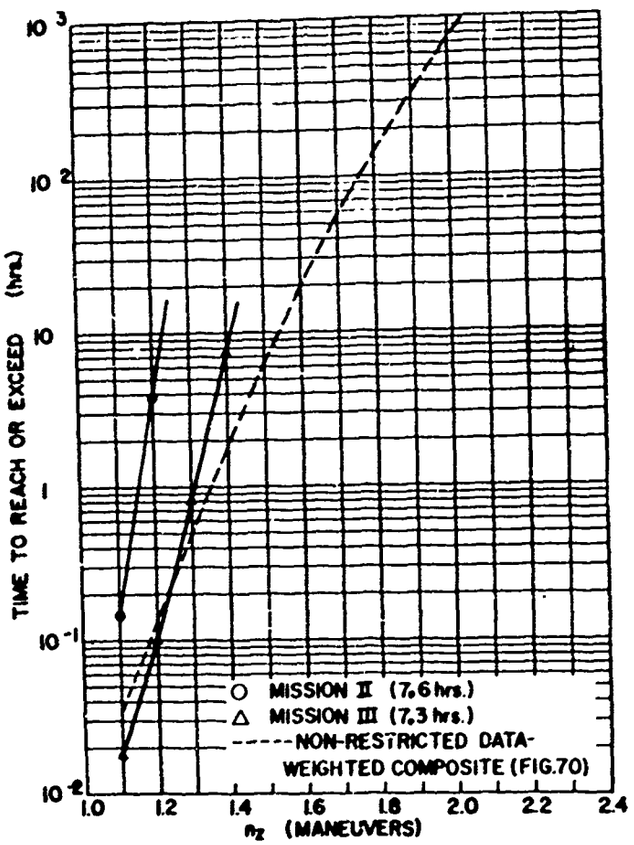


Figure 74. HC-130G (Restricted Operation) — Maneuver Load Factor Exceedance Curves — Mission II (Logistics and Cross Country) and Mission III (Training)

Table 220

C-130B (Restricted Operation) — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission II (Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	127.6	87.5	9.1				224.3
2,000- 5,000	97.9	199.0	102.8				399.7
5,000- 10,000	10.3	313.1	160.2	0.5			484.0
10,000- 15,000	12.9	315.0	235.2				563.0
15,000-20,000	23.5	1,101.4	57.5				1,182.5
20,000-25,000	38.4	1,421.2	101.1				1,560.7
25,000-30,000	9.4	2,268.5	49.7				2,327.6
30,000 & ABOVE		504.2					504.2
TOTAL TIME (MIN.)	320.0	6,210.0	715.6	0.5	0.	0.	7,246.1

Table 221

C-130B (Restricted Operation) — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	110.2	62.2	2.7				175.0
2,000- 5,000	128.1	503.4	73.8	0.7			705.9
5,000- 10,000		15.3	1.9	0.5			17.7
10,000- 15,000		16.9	3.1				20.0
15,000-20,000	2.9	39.3	5.4				47.6
20,000-25,000	4.0	31.9	42.9				78.8
25,000-30,000		180.6	8.7				189.3
30,000 & ABOVE							0.
TOTAL TIME (MIN.)	245.2	849.5	138.5	1.2	0.	0.	1,234.4

Table 222

JC-130 (Restricted Operation) — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission I (Airdrop)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	222.5	232.9	17.1				472.5
2,000- 5,000	150.2	235.4	27.7				413.3
5,000- 10,000	2,255.4	804.7	178.6				3,238.7
10,000 - 15,000	932.6	357.9	53.5				1,344.0
15,000-20,000	28.7	125.3	14.6				168.6
20,000-25,000	15.6	410.6	9.7				435.8
25,000-30,000	12.7	647.7	9.6				669.9
30,000& ABOVE	42.0	4.7					46.7
TOTAL TIME (MIN)	3,659.6	2,819.1	310.9	0.	0.	0.	6,789.6

Table 223

JC-130 (Restricted Operation) — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission II (Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	5.4	21.1	1.7				28.2
2,000- 5,000		18.6	8.5				27.1
5,000- 10,000		26.9	28.5				55.4
10,000 - 15,000		13.8	7.7				21.5
15,000-20,000		16.0					16.0
20,000-25,000		198.0					198.0
25,000-30,000		200.2					200.2
30,000& ABOVE							0.
TOTAL TIME (MIN)	5.4	494.6	46.4	0.	0.	0.	546.4

Table 224

JC-130 (Restricted Operation) — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Missior III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	108.2	172.5	11.2				292.2
2,000- 5,000	59.6	138.1	15.9				213.6
5,000- 10,000	47.5	140.5	2.2				190.1
10,000- 15,000	10.5	56.2	1.7				68.4
15,000-20,000	28.4	139.7					168.2
20,000-25,000	24.1	68.2					92.3
25,000-30,000	47.4	286.1					333.5
30,000& ABOVE							0.
TOTAL TIME (MIN)	326.2	1,001.3	31.0	0.	0.	0.	1,358.4

Table 225

HC-130G (Restricted Operation) — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission II (Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	7.3	4.1					11.4
2,000- 5,000		9.9	1.9				11.9
5,000- 10,000		12.9	2.5				15.4
10,000- 15,000		23.7					23.7
15,000-20,000		25.3					25.3
20,000-25,000		127.3	4.0				131.3
25,000-30,000	6.0	214.2	17.5				237.7
30,000& ABOVE							0.
TOTAL TIME (MIN)	13.3	417.5	25.9	0.	0.	0	456.7

Table 226

HC-130G (Restricted Operation) — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission I' (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0 - 2,000	89.6	70.2	0.4				160.2
2,000 - 5,000	6.2	26.1	1.3				33.6
5,000 - 10,000		39.1	1.1				40.2
10,000 - 15,000	6.1	81.9	2.3				90.4
15,000 - 20,000	1.7	26.1	26.0				53.8
20,000 - 25,000	11.9	38.1	8.8				58.8
25,000 - 30,000							0.
30,000 & ABOVE							0.
TOTAL TIME (MIN)	115.5	281.5	39.9	0.	0.	0.	436.9

Table 227

C-130B (Restricted Operation) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Composite for Mission II (Logistics and Cross Country)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		3					3
1.4 TO 1.5		8	3				11
1.3 TO 1.4	8	28	14				50
1.2 TO 1.3	56	130	29				215
1.1 TO 1.2	394	625	147	1			1167
0.8 TO 0.9	209	375	58	1			643
0.7 TO 0.8	20	38	3				61
0.6 TO 0.7	2	7					9
0.4 TO 0.6	1						1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	320.0	6210.0	715.6	0.5			7246.1

Table 228

C-130B (Restricted Operation) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Composite for Mission III (Training)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		2					2
1.5 TO 1.6	1	9	1				11
1.4 TO 1.5	[illegible]	11	1				15
1.3 TO 1.4	15	37	5	2			59
1.2 TO 1.3	60	85	9	3			157
1.1 TO 1.2	179	496	32	1			708
0.8 TO 0.9	118	301	17	2			438
0.7 TO 0.8	12	20	1				33
0.6 TO 0.7	2	5	1				8
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	245.2	849.5	138.5	1.2			1234.4

Table 229

JC-130 (Restricted Operation) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission [illegible] (Airdrop)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0		1	1				2
1.6 TO 1.8		5					5
1.5 TO 1.6	2	3					5
1.4 TO 1.5	13	11	3				27
1.3 TO 1.4	68	34	1				103
1.2 TO 1.3	196	123	6				325
1.1 TO 1.2	825	570	51				1446
0.8 TO 0.9	356	329	24				709
0.7 TO 0.8	46	24					70
0.6 TO 0.7	6	2					8
0.4 TO 0.6	1		1				2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	3659.6	2819.1	310.9				6789.6

Table 230

JC-130 (Restricted Operation) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0		1					1
1.6 TO 1.8							
1.5 TO 1.6		1					1
1.4 TO 1.5		1					1
1.3 TO 1.4		1					1
1.2 TO 1.3	1	8					9
1.1 TO 1.2	8	39	5				52
0.8 TO 0.9	3	13	2				18
0.7 TO 0.8		3					3
0.6 TO 0.7							
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.4	494.6	46.4				546.4

Table 231

JC-130 (Restricted Operation) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission III (Training)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6	1	1					2
1.4 TO 1.5	1						1
1.3 TO 1.4	8	20	1				29
1.2 TO 1.3	34	62	5				101
1.1 TO 1.2	184	334	36				554
0.8 TO 0.9	111	133	10				254
0.7 TO 0.8	9	19					28
0.6 TO 0.7							
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	326.2	1001.3	31.0				1358.4

Table 232

HC-130G (Restricted Operation) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission II (Logistics and Cross Country)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	1	1					2
1.1 TO 1.2	8	37	4				49
0.8 TO 0.9	7	8					15
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	13.3	417.5	25.9				456.7

Table 233

HC-130G (Restricted Operation) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission III (Training)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS) LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5		1					1
1.3 TO 1.4	5	2	1				8
1.2 TO 1.3	22	36	7				65
1.1 TO 1.2	146	173	13				332
0.8 TO 0.9	91	101	6				198
0.7 TO 0.8	6	17	2				25
0.6 TO 0.7	2	1					3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	115.5	281.5	39.9				436.9

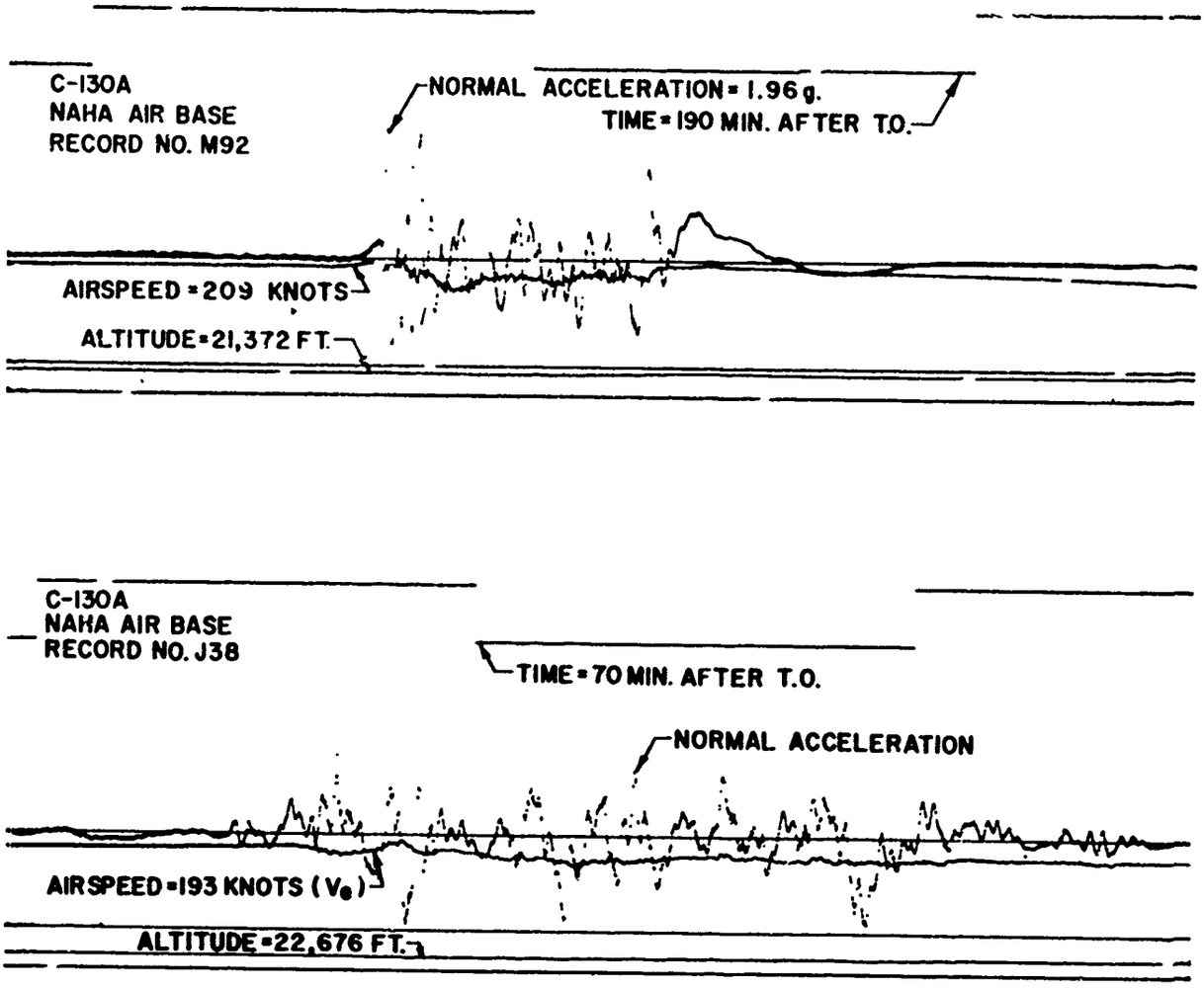


Figure 75. Photographic Reproduction of Oscillogram Sections Evidencing the Severity Caused by High-Altitude Atmospheric Turbulence

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