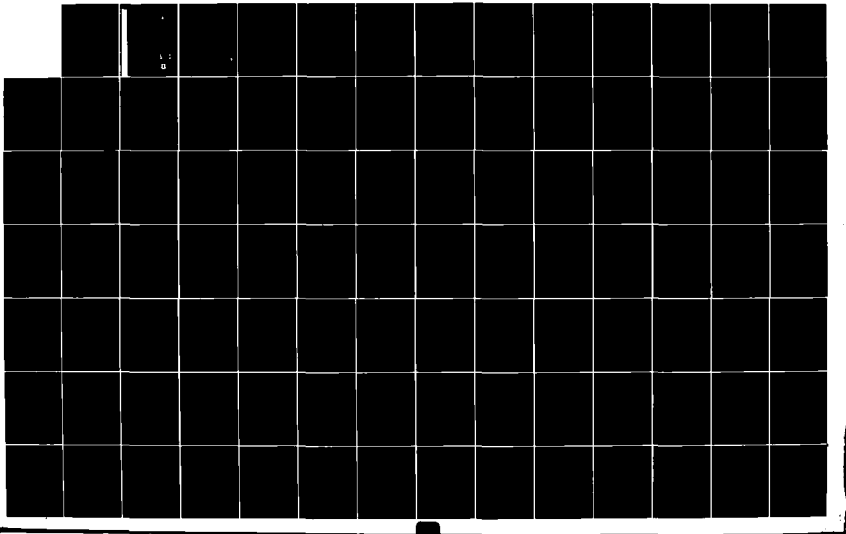
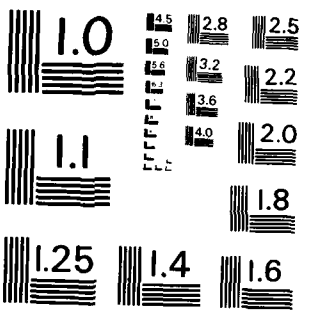
AD-A125 725 A COMPENDIUM OF THEORETICAL ATMOSPHERIC TIDAL STRUCTURES PART II THERMOSP..(U) BOSTON COLL CHESTNUT HILL MA DEPT OF PHYSICS J M FORBES ET AL. 24 JUN 82 AFGL-TR-82-0173(2) F19628-79-C-0088 F/G 4/1 NL

UNCLASSIFIED

1/2





AFGL-TR-82-0173(II)
ENVIRONMENTAL RESEARCH PAPERS, NO. 780(II)

A Compendium of Theoretical Atmospheric Tidal Structures

Part II: Thermospheric Extensions of the Classical Expansion Fuctions for Semidiurnal Tides

J. M. FORBES
M. E. HAGAN
E. DiCESARE
D. F. GILLETTE

24 June 1982

AERONOMY DIVISION PROJECT 6690
AIR FORCE GEOPHYSICS LABORATORY
HANSCOM AFB, MASSACHUSETTS 01731

AIR FORCE SYSTEMS COMMAND, USAF

This report has been reviewed by the ESD Public Affairs Office (PA) and is releasable to the National Technical Information Service (NTIS).

This technical report has been reviewed and is approved for publication.

Alva T Stair, Jr.

DR. ALVA T. STAIR, Jr
Chief Scientist

Qualified requestors may obtain additional copies from the Defense Technical Information Center. All others should apply to the National Technical Information Service.

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER AFGL-TR-82-0173(N)	2. GOVT ACCESSION NO. AD-A125 725	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) A COMPENDIUM OF THEORETICAL ATMOSPHERIC TIDAL STRUCTURES PART II. THERMOSPHERIC EXTENSIONS OF THE CLASSICAL EXPANSION FUNCTIONS FOR SEMIDIURNAL TIDES		5. TYPE OF REPORT & PERIOD COVERED Scientific. Interim. 6. PERFORMING ORG. REPORT NUMBER ERP ~~No.~~ 780(II)
7. AUTHOR(s) J.M. Forbes* D.F. Gillette M.E. Hagan* E. DiCesare		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Air Force Geophysics Laboratory (LKB) Hanscom AFB Massachusetts 01731		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS 62101F 66900709
11. CONTROLLING OFFICE NAME AND ADDRESS Air Force Geophysics Laboratory (LKB) Hanscom AFB Massachusetts 01731		12. REPORT DATE 24 June 1982 13. NUMBER OF PAGES 153
14. MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office)		15. SECURITY CLASS. (of this report) Unclassified 15a. DECLASSIFICATION/DOWNGRADING SCHEDULE

16. DISTRIBUTION STATEMENT (of this Report)

Approved for public release; distribution unlimited.

17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18. SUPPLEMENTARY NOTES

*Department of Physics
Boston College, Chestnut Hill, MA 02167

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

Thermospheric tidal equations
Thermospheric winds
Thermospheric temperatures
Semidiurnal tidal modes

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

Solutions to the thermospheric tidal equations are described that define the extensions into the thermosphere of normalized wind and temperature structures associated with the (2,2), (2,3), (2,4), and (2,5) semidiurnal propagating tidal modes. The degree of alteration of vertical structures with latitude, and the change in horizontal shapes with height, corresponding to semidiurnal oscillations in northerly, westerly, and vertical velocity, and to temperature in the thermosphere are examined and implications to modeling the thermosphere are discussed. Extensive figures and tables covering the

DD FORM 1 JAN 73 1473

Unclassified

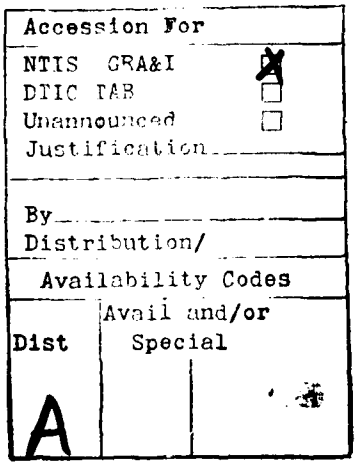
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

20. (contd)

80-400 km altitude region for five levels of solar activity at 6° latitude increments are provided for potential users. The structures can be used to extend meteor wind (80-100 km) and partial reflection drift (60-100 km) measurements to above 100 km for consistency checks with tidal winds and temperatures from Thomson scatter measurements at possibly different latitudes, or to simultaneously fit data covering these height regions for modeling purposes.

Preface

This work was supported under Contract F19628-79-C-0088 from the U.S. Air Force Geophysics Laboratory to Boston College.



Contents

Illustrations

Tables

A Compendium of Theoretical Atmospheric Tidal Structures

Part II: Thermospheric Extensions of the Classical Expansion Functions for Semidiunal Tides

1. INTRODUCTION

Below approximately 100 km, in the absence of mean winds and meridional temperature gradients, the eigensolutions (Hough functions) of Laplace's tidal equation define the horizontal structures of atmospheric tidal modes, and the eigenvalues (equivalent depths) fix each mode's vertical structure for a given unperturbed temperature distribution. A set of analogous expansion functions, orthogonal with respect to a common weighting function, describes the latitude structures of the northerly and westerly velocity fields. Above 100 km the joint presence of molecular dissipation, rotation, and anisotropic ion drag in a spherical atmosphere render the corresponding perturbation tidal equations inseparable in their latitude and height dependence. As the atmospheric density decreases exponentially upwards and molecular dissipation assumes increasing importance, a transition occurs for an upward propagating tidal wave from exponentially increasing amplitudes to a constant or decreasing vertical amplitude. The transition height occurs approximately where the dissipative time scale equals the scale height divided by the vertical group velocity (Richmond[1]). This damping is accompanied

(Received for publication 23 June 1982)

1. Richmond, A.D. (1975) Energy relations of atmospheric tides and their significance to approximate methods of solution for tides with dissipative forces, J. Atmos. Sci. 32:980-987.

by a change in the horizontal "modal structure" of the wave (which, however, is no longer an eigensolution of the system). Significant damping generally occurs within the 100-160 km height region, depending on vertical wave length. The short wavelength (less than about 30 km) diurnal propagating tides are strongly damped above 100 km, and due to their limited latitude extent and the fact that significant wave damping occurs below the level where damping and inertial time scales are comparable, do not undergo significant alterations in horizontal shape (Lindzen;[2] and Forbes and Garrett[3]). The thermospheric penetration of semidiurnal tides, whose vertical wave lengths generally exceed 40 km, is therefore of primary interest.

This report describes solutions to the thermospheric tidal equations that define extensions into the thermosphere of normalized wind and temperature structures associated with the (2,2), (2,3), (2,4), and (2,5) semidiurnal tidal modes. Here, we implicitly assume that each of these modes can be treated as distinct, even though the joint presence of mean winds and meridional temperature gradients in the thermosphere may excite them indirectly by "mode coupling", in addition to O_3 and H_2O insolation absorption at lower levels forcing them directly (see Lindzen and Hong[4]). Following the terminology adopted in previous studies (Hong and Lindzen;[5] Lindzen, Hong, and Forbes[6]) we refer to the thermospheric temperature and velocity fields consistent with the conventionally defined mode as the "Hough Mode Extension" (HME) of that mode. The model used here is that described by Forbes[7,8] where the background winds and latitude variations in thermal structure and composition are set equal to zero and equinox conditions are assumed. A fictitious heat source located below 75 km and a lower boundary at the ground are assumed. The model is equivalent to the one that Lindzen, Hong, and Forbes[6] used to calculate structures, and comparisons are briefly made with results from that study. Applications of the computed structures to studies of the dynamics of the mesosphere and thermosphere are discussed, as well as sources of error in the present treatment. Figures and tables covering the 80-400 km height region for five levels of solar activity at 6° latitude increments are provided in appendixes for potential users.

2. DESCRIPTION AND EVALUATION OF RESULTS

Westerly (u), northerly (v), and vertical velocities (w), and temperatures (δT) are calculated at 6° latitude increments from 80 to 400 km for five levels of solar activity corresponding to T_o = 600, 800, 1000, 1200, and 1400 K. Tables including

(Due to the large number of references cited above, they will not be listed here. See References, page 23.)

the complete set of normalized amplitude and phase structures for the (2, 2), (2, 3), (2, 4), and (2, 5) Hough Mode Extensions are given in Appendix B. The HME's are normalized to a temperature amplitude at 100 km of 1 K and phase of 0600 hours for the following latitudes:

Mode	Normalizing Latitude
(2, 2)	0°
(2, 3)	24°
(2, 4)	36°
(2, 5)	42°

It is important to note that for a given HME all amplitudes are arbitrary to within a single constant factor (appropriate to all fields at all altitudes and latitudes), while all phases are similarly arbitrary to within a single constant phase displacement.

In this brief narrative we examine westerly velocities for the (2, 4) HME in Figures 1-4, which illustrate the type of plots available in Appendix A for u, v, and δT of each HME. In addition, Figures 5-8 provide a comparison of vertical temperature structures for the four HME's considered. Figure 1 illustrates the differences in horizontal structures of amplitude (normalized to a maximum value of unity) and phase at 100, 150, and 300 km for T_o = 1000 K.

Normalizing factors (f_N) are given in the figure captions. As mentioned above, the raw amplitudes and phases are consistent with a temperature oscillation of δT = 1 K and phase of 0600 at 100 km and 36° latitude; however, they have been adjusted by f_N for plotting. Figure 2 similarly illustrates normalized horizontal amplitude and phase structures at a single height (300 km) corresponding to three levels of solar activity (T_o = 600, 1000, 1400 K; NSS = 1, 3, 5). Note that while the horizontal shape of the (2, 4) HME does not change appreciably with solar cycle, there does exist a substantial shift in phase and adjustment in amplitude (as indicated by the f_N's).

As illustrated in Figures 3 and 4, vertical structures at several latitudes are provided over the 80-150 km and 100-300 km height ranges. Again, all amplitudes and phases are consistent with a temperature amplitude of 1 K and phase of 0600 hours at 100 km at the latitude specified above for each mode. Note that the vertical shapes and phases vary with latitude, illustrating the inseparability of the tidal equations above 100 km.

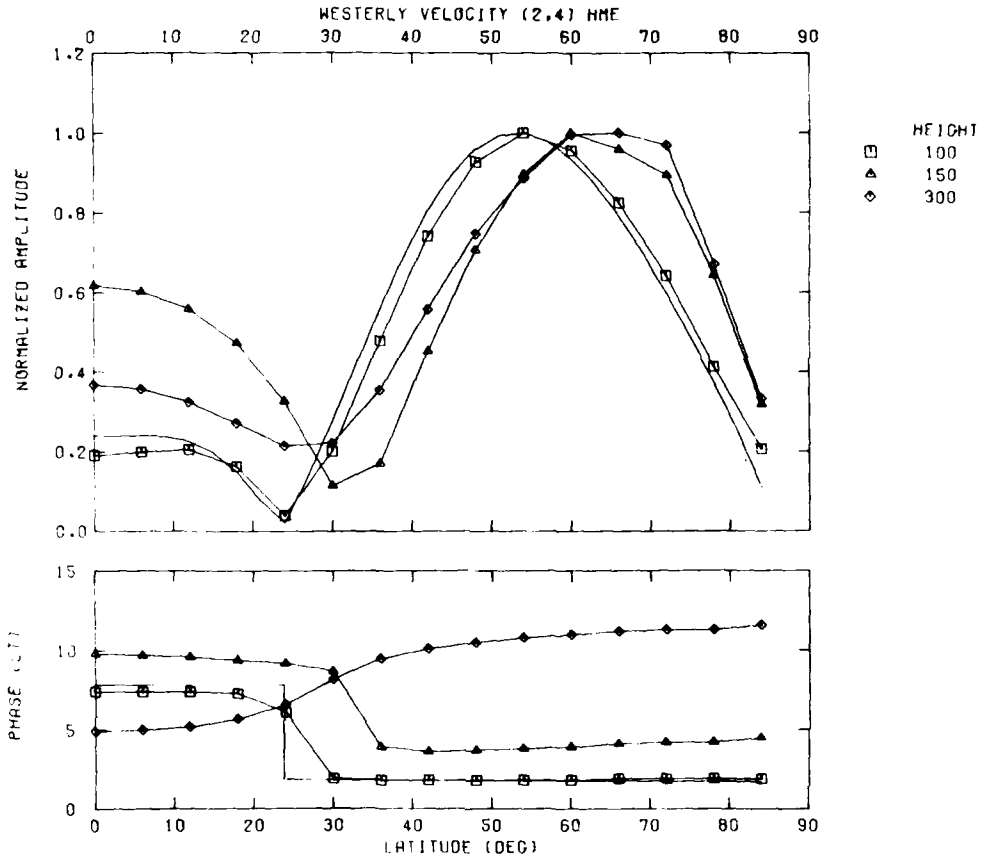


Figure 1. Normalized Westerly Velocity Amplitude and Phase of the (2, 4) Hough Mode Extension at 100, 150, and 300 km for T_o = 1000 K With Normalizing Factors Equal to 2.98, 2.40, and 1.90, Respectively. Phases refer to local time of maximum amplitude

The vertical amplitude and phase structures for temperatures corresponding to the (2,2), (2,3), (2,4), and (2,5) HME's at various latitudes are illustrated in Figures 5-8. As expected, these four modes exhibit peak amplitude heights that occur progressively lower as the vertical wavelengths increase. It is interesting to compare Figures 4 and 7, and note that velocities tend to peak lower in altitude than temperatures. This behavior was noted by Forbes and Hagan[9] in their equivalent gravity wave f-plane approximations to upward-propagating tides.

9. Forbes, J.M., and Hagan, M.E. (1979) Tides in the joint presence of friction and rotation: An f-plane approximation, J. Geophys. Res. 84:803-810.

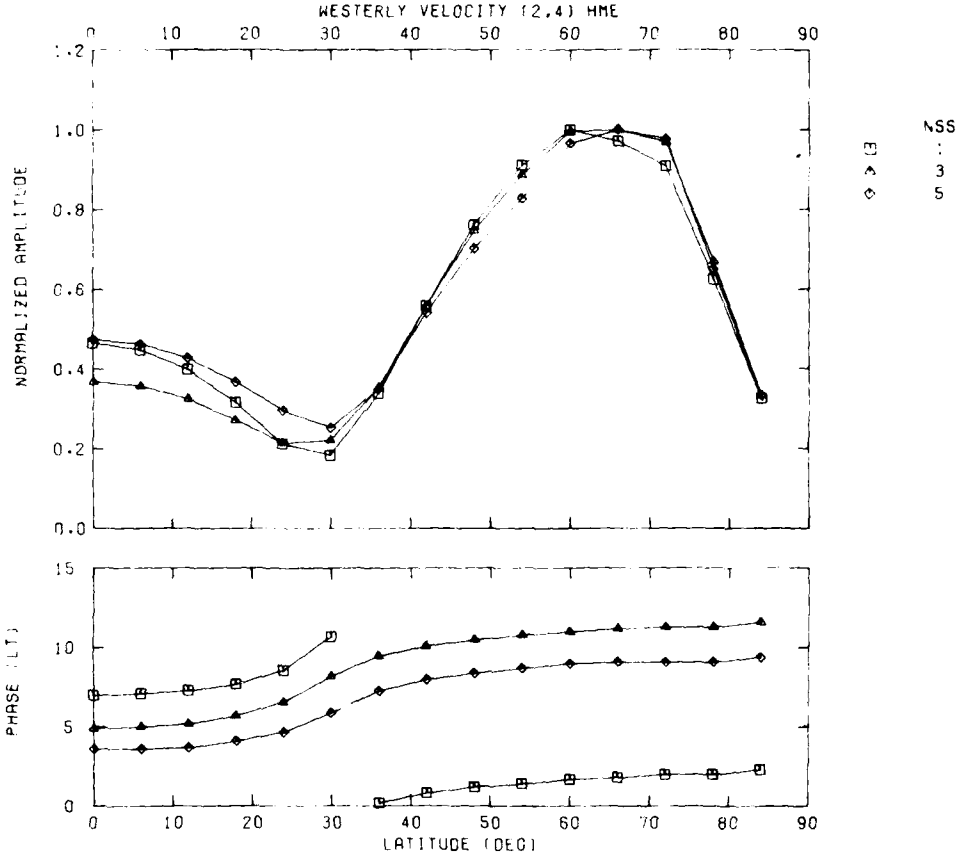


Figure 2. Normalized Westerly Velocity Amplitude and Phase of the (2, 4) Hough Mode Extension for T_e = 600 K (NSS = 1), T_o = 1000 K (NSS = 3), and T_o = 1400 K (NSS = 5) With Normalizing Factors Equal to 3.54, 1.90, and 0.89, Respectively

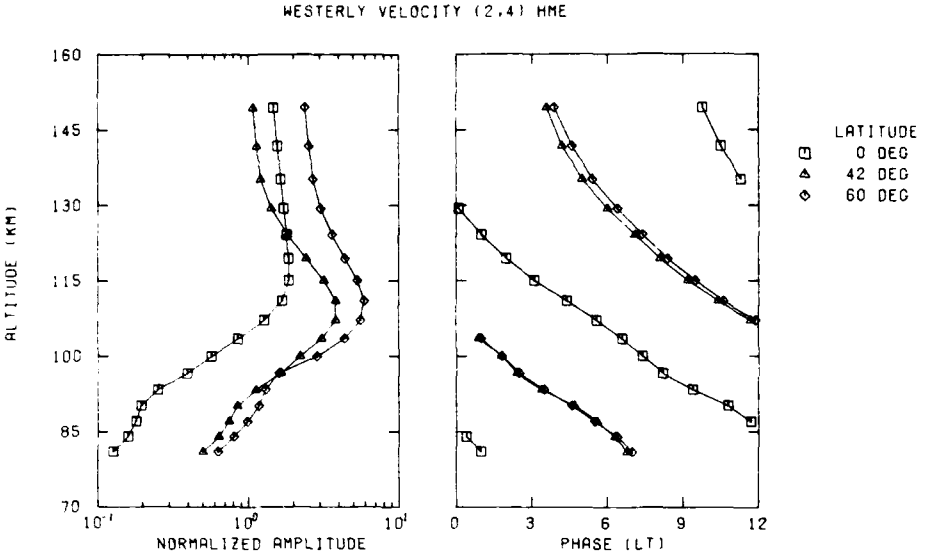


Figure 3. Normalized Westerly Velocity Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 80 and 150 km at 0, 42, and 60° Latitude for T_o = 1000 K

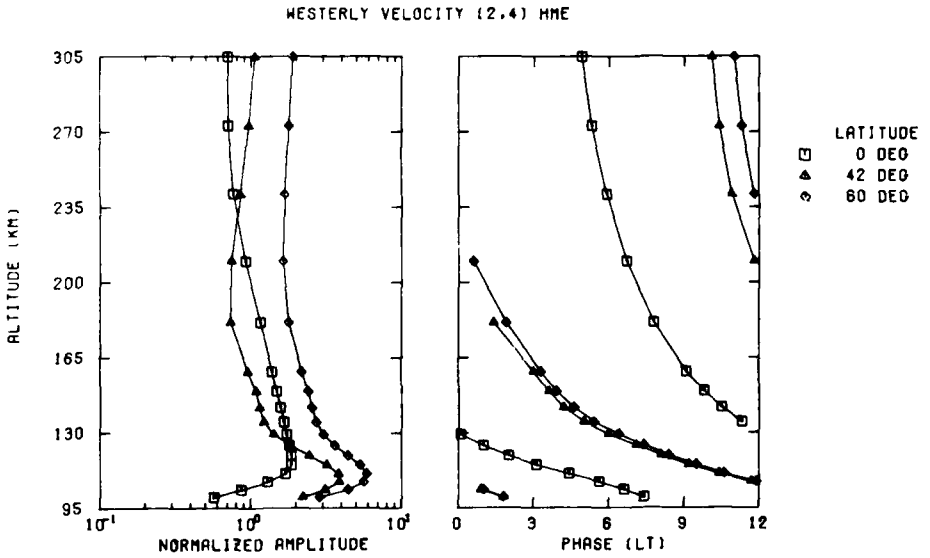


Figure 4. Normalized Westerly Velocity Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 100 and 300 km at 0, 42, and 60° Latitude for T_o = 1000 K

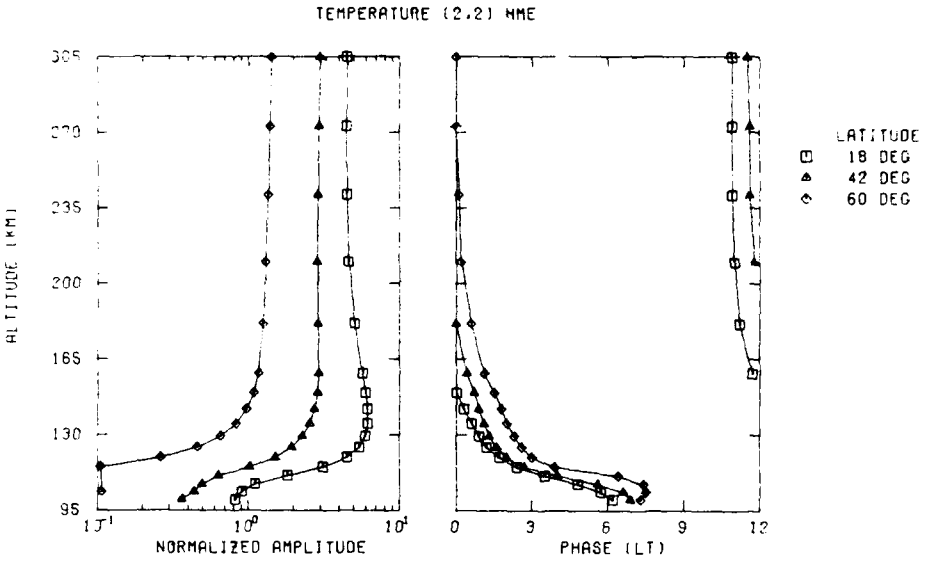


Figure 5. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 2) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for T_o = 1000 K

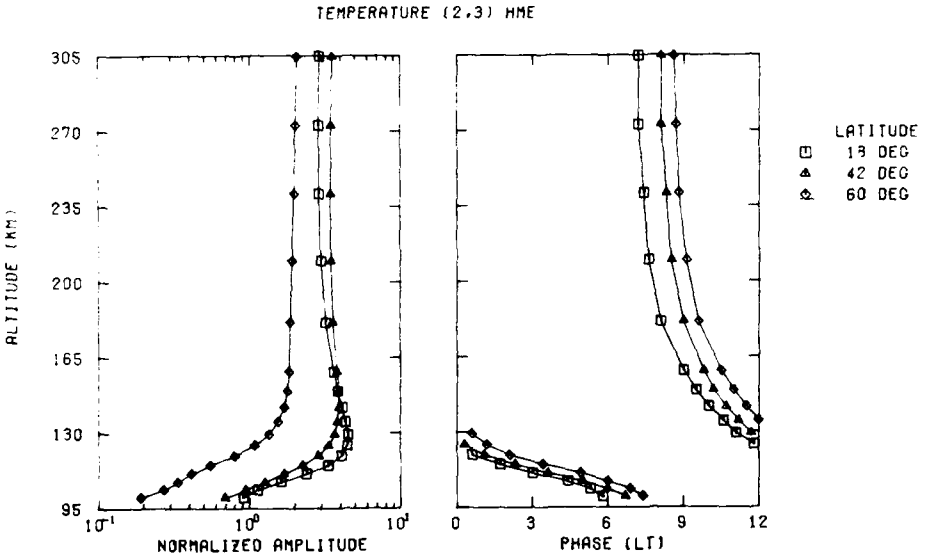


Figure 6. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 3) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for T_o = 1000 K

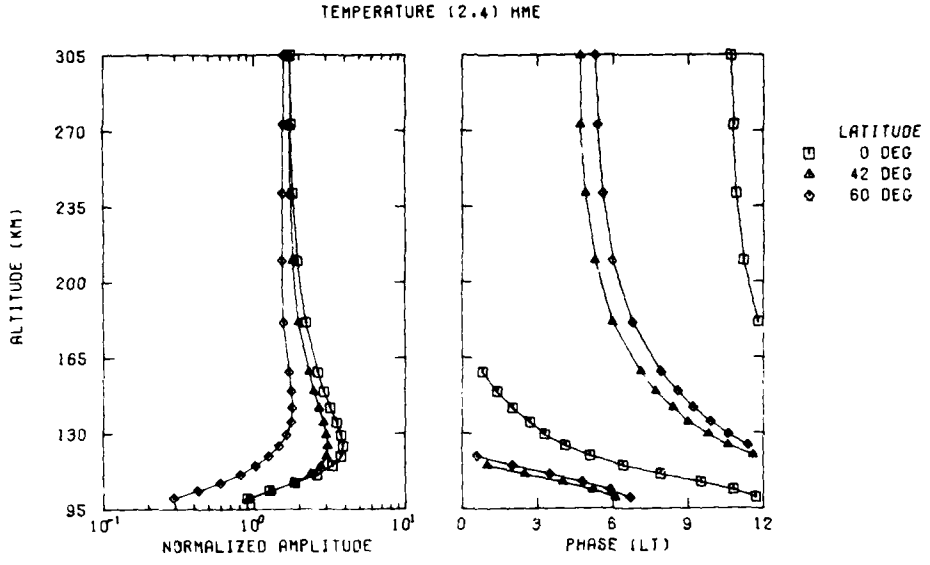


Figure 7. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 4) Hough Mode Extension Between 100 and 300 km at 0, 42, and 60° Latitude for T_o = 1000 K

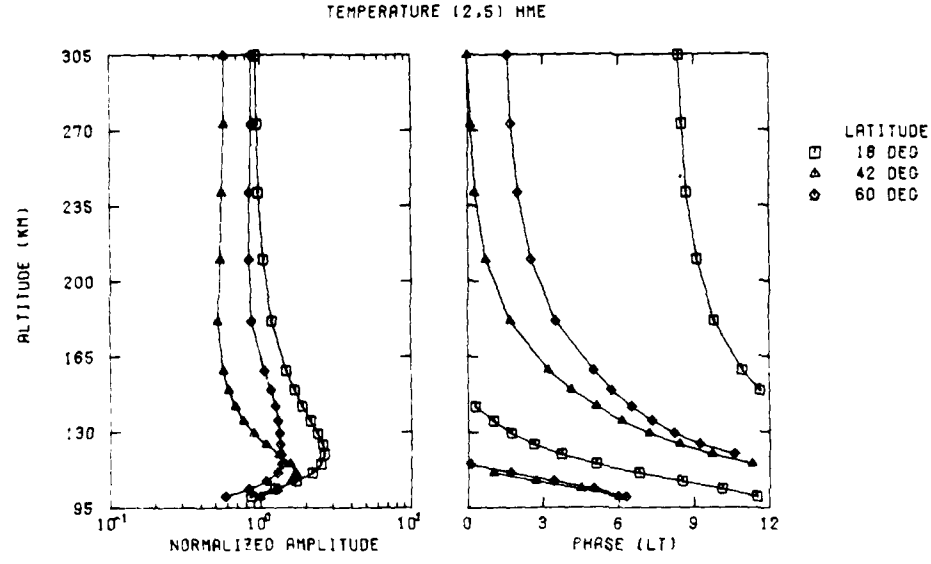


Figure 8. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 5) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for T_o = 1000 K

The solid lines in Figure 1 (and in all similar figures in Appendix A) correspond to the exact shape of the corresponding classical expansion function, and are provided to facilitate comparison with the calculated amplitude and phase curves at 100 km. In some cases measurable deviations in the computed horizontal amplitude shapes at 100 km from the "inviscid" classical expansion functions are noted. These differences are accompanied by a slight change in phase with latitude, and are more readily apparent in temperature than in the velocity fields. This is the most sensitive measure of how well the current solutions approximate those of Laplace's equation of classical tidal theory. The differences are due, in part, to numerical errors that tend to take the form of higher order modes that grow exponentially with height below 100 km. Convergence tests were performed which indicate errors of less than 10 percent in the computed fields. In addition, the present calculations assume profiles for the coefficients of eddy diffusion of heat and momentum which are asymptotic to values of 5×10^5 cm^2/sec in the upper mesosphere and lower thermosphere (about 80-100 km; see Forbes[7]). Thus the present model is nowhere truly "inviscid", and for sufficiently large dissipation some mode broadening in the horizontal shape will occur. Since we believe this to be a better approximation to reality, it is these "mode broadened" structures which are retained in the tables in the vicinity of 100 km. The above minor inconsistencies will assume little consequence in practice. The vertical extensions of winds will undoubtedly be used most often, and these appear to be most accurate. In addition, significant deviations in phase and errors in amplitude occur only where relative amplitudes are small; these pose little problem in practice. However, it is important for potential users to note these subtleties.

It is emphasized that the results published here must be utilized with care and an understanding of possible sources of error. This is especially true in the vicinity of nodal crossings, which tend to shift in latitude as a function of height. In addition, there are at least three mechanisms which could measurably modify the computed vertical and/or horizontal structures published here: First, Forbes and Hagan[10] have utilized a binary gas (O-N_2) equivalent gravity wave f-plane simulation to show that the mutual diffusion of O and N_2 can cause reduction in the (2, 2) and (2, 4) amplitudes of order 30 percent (near the peak) and shifts in phase of up to 3 h at upper levels. However, their results represent only first-order estimates, and furthermore provide no information on modification of horizontal structures. Along a somewhat similar vein, Hines[11, 12] suggests that upward

10. Forbes, J.M., and Hagan, M.E. (1980) Tidal dynamics and composition variations in the thermosphere, J. Geophys. Res. 85:3401-3406.

11. Hines, C.O. (1977) Relaxational dissipation in atmospheric waves-I. Basic Formulation, Planet. Space Sci. 25:1045-1060.

12. Hines, C.O. (1977) Relaxational dissipation in atmospheric waves-II. Application to the Earth's upper atmosphere, Planet. Space Sci. 25:1061-1074.

propagating atmospheric waves and tides could be measurably attenuated by the relaxation of molecular thermal energy between translational and internal degrees of freedom of atmospheric molecules. Although electronic relaxation in O and vibrational relaxation in O_2 and N_2 appear capable of playing a significant role, reliable quantitative estimates are not yet possible due to uncertainties in the various governing parameters. Finally, the idea that feedback between the (2, 2) mode and the polarization electric field which it generates could result in a reduction in the associated neutral wind field has been put forth by Volland and Grellman.[13] This mechanism requires additional quantitative modeling that avoids some of the assumptions made by these authors to obtain a mathematically tractable problem. For the present, inclusion of the above effects is currently precluded either by uncertainties in various parameters associated with these mechanisms, or by computer limitations.

There are several reasons for repeating the calculations of Lindzen, Hong, and Forbes.[6] Primarily, Forbes[7,8] adopts temperature, composition, molecular conductivity and viscosity, and ion drag parameters that are more realistic than those adopted by Hong and Lindzen[5] and Lindzen, Hong, and Forbes,[6] and which lead to measurable differences in their HME's above about 150 km. For instance, repeating their calculation of the (2, 2) HME excited by H_2O and O_3 insolation absorption, we obtain a (2, 2) temperature oscillation amplitude of 69 K at SSMIN (T_o = 800 K) and 28 K at SSMAX (T_o = 1400 K), in good agreement with their results. Incorporating the MSIS temperature profile and the $T^{2/3}$ dependence of molecular conductivity as recommended by Forbes and Garrett[3] (as opposed to a $T^{1/2}$ dependence), reduces these amplitudes to approximately 45 K and 26 K, respectively. Addition of the ion drag parameterization of Forbes[7,8] which represents the latitudinal and solar cycle variations of the ionosphere more realistically, changes these values to 26 K and 27 K, respectively, greatly reducing the effects of changing solar conditions. Thus, the significant increases in "mode broadening" with solar activity indicated by Hong and Lindzen[5] and Lindzen, Hong, and Forbes[6] are much reduced here. In addition, their results did not extend below 100 km, making it inconvenient for the large numbers of meteor radar and partial reflection drift experimenters to use their results. Finally, considerable accuracy could be lost in reading and/or interpolating the curves provided by Lindzen, Hong, and Forbes;[6] Appendix B provides the data in tables spaced in 6° latitude increments making the present results very easy to use (conveniently, many of the observing stations likely to benefit from these data lie very close to 6° grid points in latitude).

13. Volland, H., and Grellman, L. (1978) A hydromagnetic dynamo of the atmosphere J. Geophys. Res. 83:3699-3708.

3. APPLICATIONS

The primary applications of this work lie in the areas of data analysis and interpretation, and upper atmosphere modeling. For instance, it would be of great value to experimenters to have the capability of performing consistency checks with other simultaneous tidal measurements. It is, of course, required that some idea of the specific mixture of modes be available. This can sometimes be obtained from a single station, but in general requires as many observatory records (preferably simultaneous) as there are tidal modes. To give a specific example, suppose that experimenters at Ramey (18° N), Atlanta (35° N), and Saskatoon (54° N) were able to satisfactorily decompose their measured semidiurnal tidal winds between 80 and 100 km into the (2, 2), (2, 4), and (2, 5) tidal modes. (Note that e-w and n-s observations at a single station can be considered independent observations for purposes of tidal mode decomposition.) Application of the present HME structures would then allow consistency checks with semidiurnal temperature variations, for instance, measured at Arecibo (18° N) and Millstone Hill (42° N) above 100 km.

The above idea is suggestive of a hybrid observational/theoretical approach to upper atmosphere modeling which would primarily involve the calibration of theoretical structures using experimental data. Garrett and Forbes[14] utilized such a technique to model the 100-300 km height regime. Consideration of the regime above about 130 km is most difficult, since one must also consider the effects of tides excited in-situ by EUV absorption. Development and application of the technique to semidiurnal temperatures measured between 100 and 130 km at Arecibo and Millstone are addressed in a forthcoming article by Forbes et al.[15] Anticipated coordinated tidal observations using the meteor wind, partial reflection drift, and incoherent scatter radar techniques will provide the opportunity to further develop and test this modeling approach in the dynamically active and important height region between 80 and 130 km.

As discussed further by Forbes et al,[15] use of the present thermospheric extensions of classical semidiurnal expansion functions in the manner described above has the potential to contribute to at least three areas of thermospheric modeling: (1) specification of realistic lower boundary conditions for general circulation models of the thermosphere; (2) determination of the penetration of upward propagating tidal modes into the thermosphere and their relative contribution to the total semidiurnal variation above 200 km; and (3) evaluation of the importance

14. Garrett, H. B., and Forbes, J. M. (1978) Tidal structure of the thermosphere at equinox, J. Atmos. Terr. Phys. 40:657-668.

15. Forbes, J. M., Salamone, S. L., and Wand, R. H. (1982) A technique for global tidal analyses in the mesosphere and lower thermosphere, J. Geophys. Res. in press.

of tidal deposition of mean heat and momentum in the lower thermosphere, and parameterization of these sources for thermospheric general circulation models.

4. CONCLUDING REMARKS

The calculations presented in this report were prepared to meet an immediate demand by experimenters, data analysts, and theoreticians in the field, particularly those involved with cooperative global tidal observations during the 1982-1985 MAP period. Possible improvements along the lines of including the effects of O-N_2 diffusion (Forbes and Hagan[10]), relaxation of molecular thermal energy between translational and internal degrees of freedom (Hines[11,12]), and electrodynamic coupling (Volland and Grellman[13]), would not be impossible; but must be pursued with care due to the uncertainties involved, and hence may not be available in the near future. Indeed, Walterscheid,[16] has suggested that a significant fraction of semidiurnal oscillations in the 80-100 km height region may not originate as freely-propagating modes excited by ozone insolation absorption in the upper stratosphere and lower thermosphere. He estimates that the tidal modulation of gravity wave/mean flow interactions may introduce a 12-hour periodicity to mesospheric winds. Clearly, the present theoretical results must be evaluated in practice.

16. Walterscheid, R. L. (1981) Inertio-gravity wave induced accelerations of mean flows having an imposed periodic component: Implications for tidal observations in the meteor region, J. Geophys. Res. 86:9698.

References

1. Richmond, A.D. (1975) Energy relations of atmospheric tides and their significance to approximate methods of solution for tides with dissipative forces, J. Atmos. Sci. 32:980-987.
2. Lindzen, R.S. (1970) Internal gravity waves in atmospheres with realistic dissipation and temperature, I, Mathematical development and propagation of waves into the thermosphere, Geophys. Fl. Dyn. 1:303-355.
3. Forbes, J.M., and Garrett, H.B. (1979) Theoretical studies of atmospheric tides, Rev. Geophys. Space Phys. 17:1951-1981.
4. Lindzen, R.S., and Hong, S.S. (1974) Effects of mean winds and meridional temperature gradients on solar and lunar semidiurnal tides in the atmosphere, J. Atmos. Sci. 31:1421-1466.
5. Hong, S.S., and Lindzen, R.S. (1976) Solar semidiurnal tide in the thermosphere, J. Atmos. Sci. 33:135-153.
6. Lindzen, R.S., Hong, S.S., and Forbes, J.M. (1977) Semidiurnal Hough Mode Extensions Into the Thermosphere and Their Application, Memo. Rep. 3442, Naval Res. Lab., Washington, D.C.
7. Forbes, J.M. (1982) Atmospheric Tides 1. Model description and results for the solar diurnal component, J. Geophys. Res. 87:5222-5240.
8. Forbes, J.M. (1982) Atmospheric Tides 2. The solar and lunar semidiurnal components, J. Geophys. Res. 87:5241-5252.
9. Forbes, J.M., and Hagan, M.E. (1979) Tides in the joint presence of friction and rotation: An f-plane approximation, J. Geophys. Res. 84:803-810.
10. Forbes, J.M., and Hagan, M.E. (1980) Tidal dynamics and composition variations in the thermosphere, J. Geophys. Res. 85:3401-3406.
11. Hines, C.O. (1977) Relaxational dissipation in atmospheric waves-I. Basic Formulation, Planet. Space Sci. 25:1045-1060.
12. Hines, C.O. (1977) Relaxational dissipation in atmospheric waves-II. Application to the Earth's upper atmosphere, Planet. Space Sci. 25:1061-1074.

13. Volland, H., and Grellman, L. (1978) A hydromagnetic dynamo of the atmosphere J. Geophys. Res. 83:3699-3708.

14. Garrett, H.B., and Forbes, J.M. (1978) Tidal structure of the thermosphere at equinox, J. Atmos. Terr. Phys. 40:657-668.

15. Forbes, J.M., Salamone, S.L., and Wand, R.H. (1982) A technique for global tidal analyses in the mesosphere and lower thermosphere, J. Geophys. Res. in press.

16. Walterscheid, R.L. (1981) Inertio-gravity wave induced accelerations of mean flows having an imposed periodic component: Implications for tidal observations in the meteor region, J. Geophys. Res. 86:9698.

Appendix A

Graphs of the Normalized Westerly Velocity, Northerly Velocity, Vertical Velocity, and Temperature Structures vs Altitude for the (2,2), (2,3), (2,4), and (2,5) Hough Mode Extensions

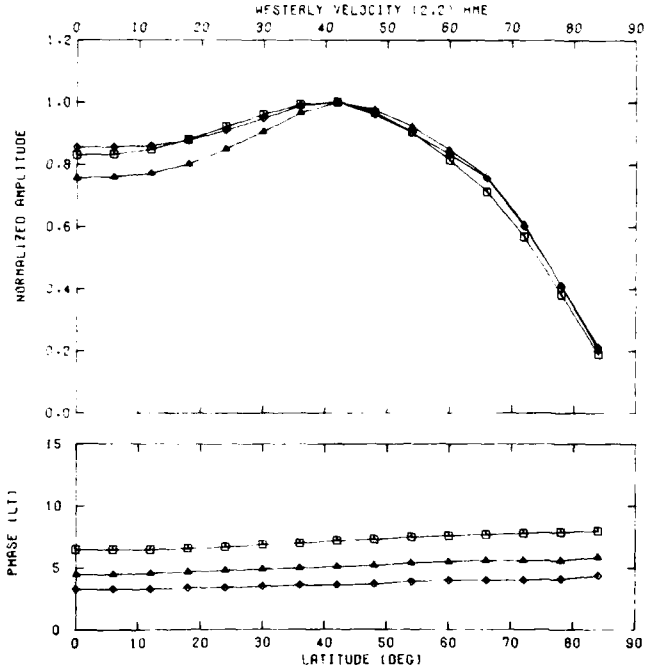


Figure A1. Normalized Westerly Velocity Amplitude and Phase of the (2, 2) Hough Mode Extension at 300 km for T_o = 600 K (NSS = 1), T_o = 1000 K (NSS = 3), and T_o = 1400 K (NSS = 5) With Normalizing Factors Equal to 7.37, 5.24, and 3.35, Respectively. Phases refer to local time of maximum amplitude

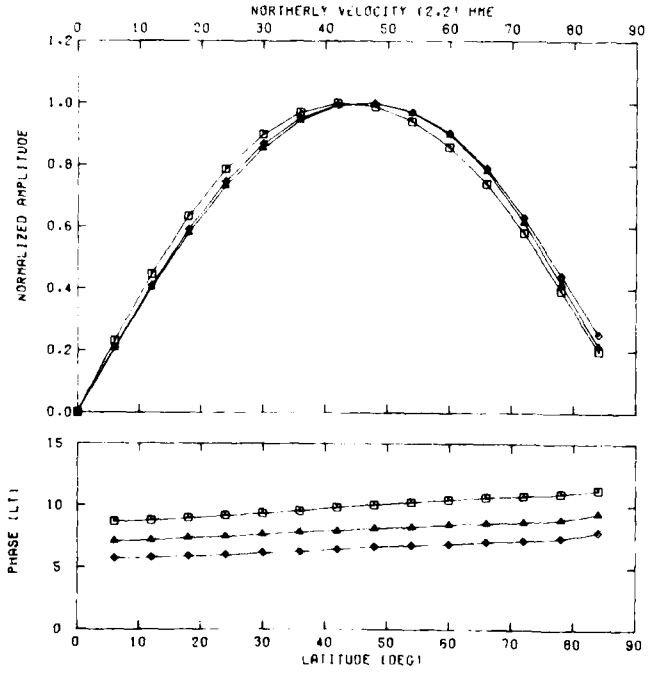


Figure A2. Normalized Northerly Velocity Amplitude and Phase of the (2, 2) Hough Mode Extension at 300 km for T_o = 600 K (NSS = 1), T_o = 1000 K (NSS = 3), and T_o = 1400 K (NSS = 5) With Normalizing Factors Equal to 7.06, 5.01, and 3.20, Respectively

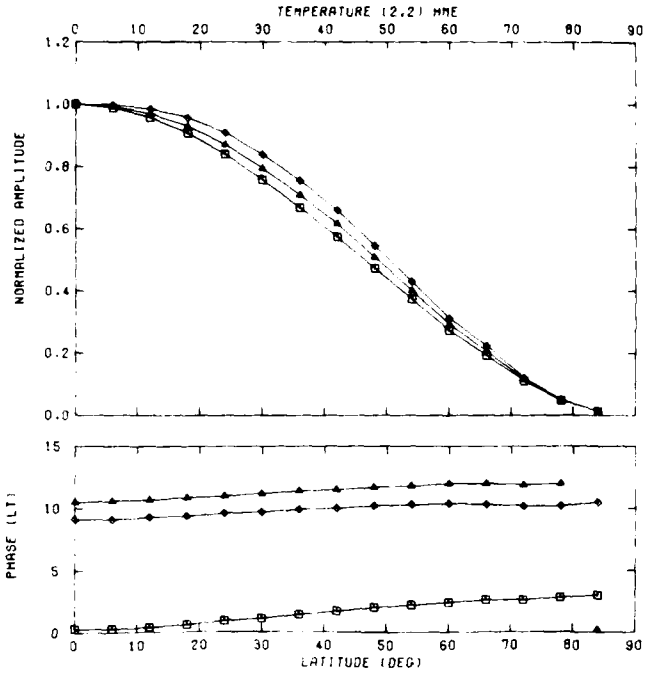


Figure A3. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 2) Hough Mode Extension at 300 km for T_o = 600 K, (NSS = 1), T_o = 1000 K (NSS = 3), and T_o = 1400 K (NSS = 5) With Normalizing Factors Equal to 4.64, 4.87, and 4.66, Respectively

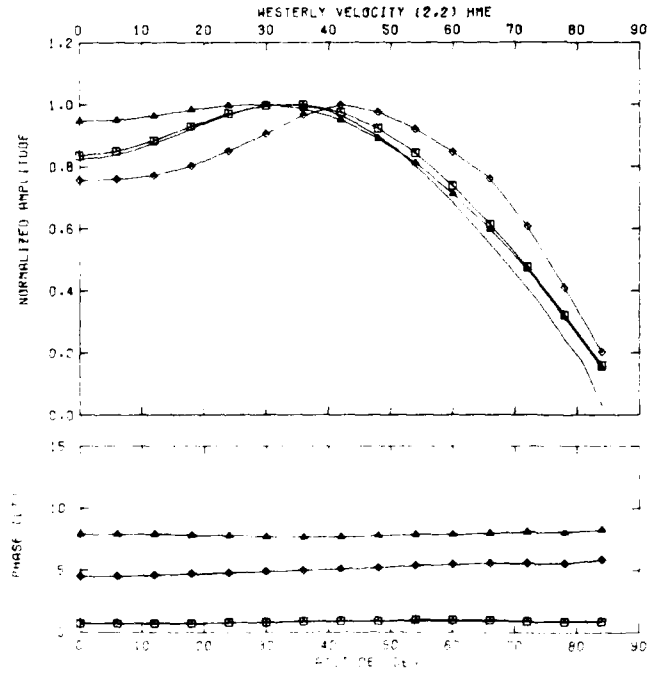


Figure A4. Normalized Westerly Velocity Amplitude and Phase of the (2, 2) Hough Mode Extension at 100, 150, and 300 km for T_o = 1000 K With Normalizing Factors Equal to 3.38, 6.31, and 5.24, Respectively. Phases refer to local time of maximum amplitude

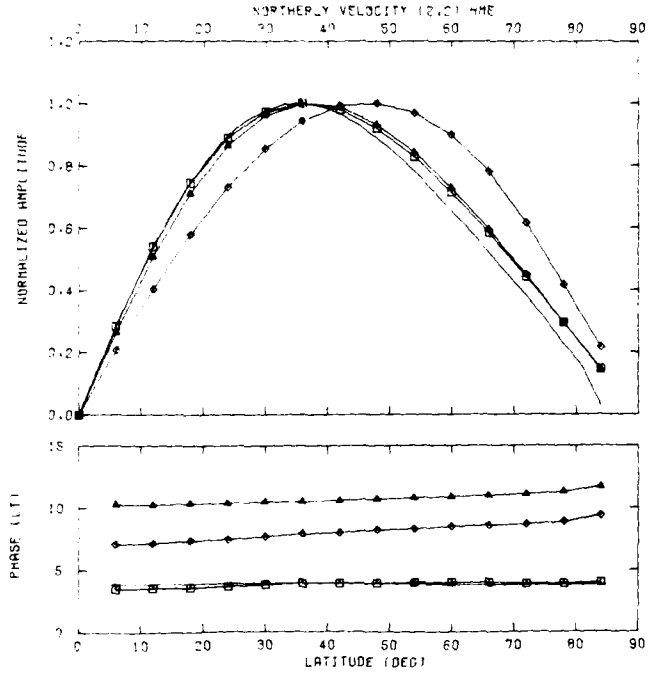


Figure A5. Normalized Northerly Velocity Amplitude and Phase of the (2, 2) Hough Mode Extension at 100, 150, and 300 km for T_o = 1000 K With Normalizing Factors Equal to 3.67, 6.50, and 5.04, Respectively

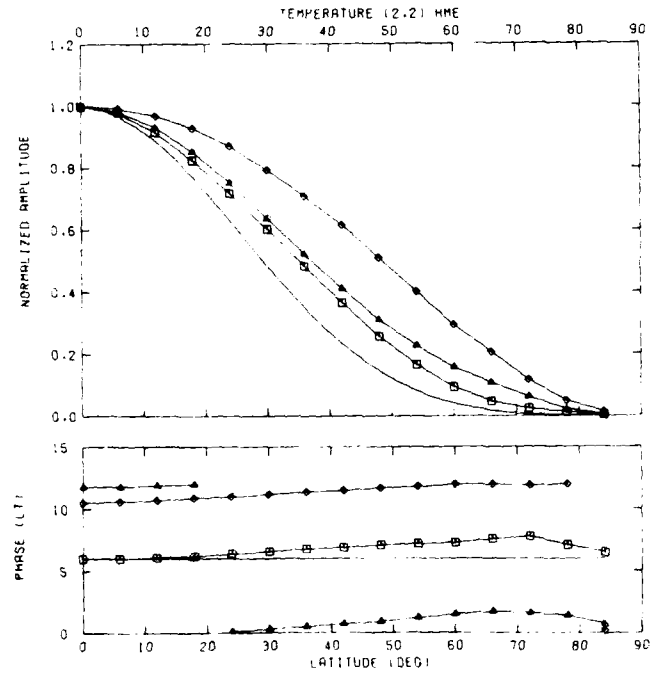


Figure A6. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 2) Hough Mode Extension at 100, 150, and 300 km for T_o = 1000 K With Normalizing Factors Equal to 1.00, 7.00, and 4.87, Respectively

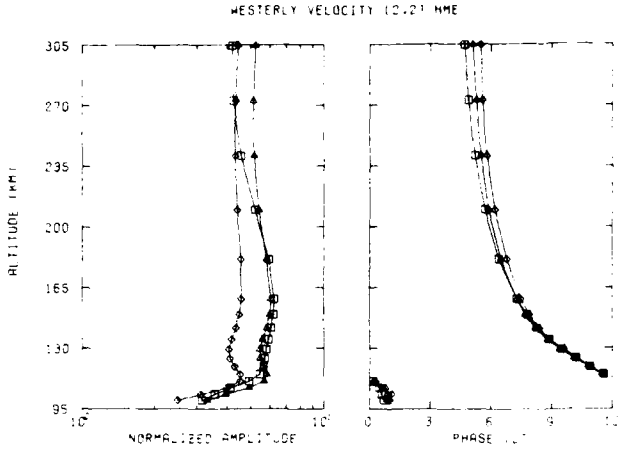


Figure A7. Normalized Westerly Velocity Amplitude and Phase Vertical Structures of the (2, 2) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for T_o = 1000 K. Phases refer to local time of maximum amplitude

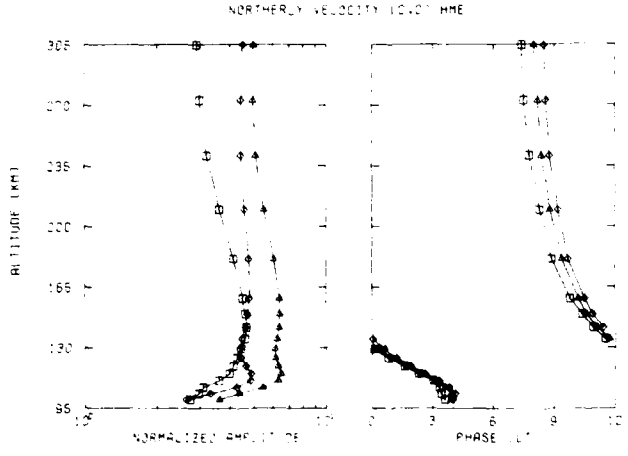


Figure A8. Normalized Northerly Velocity Amplitude and Phase Vertical Structures of the (2, 2) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for T_o = 1000 K

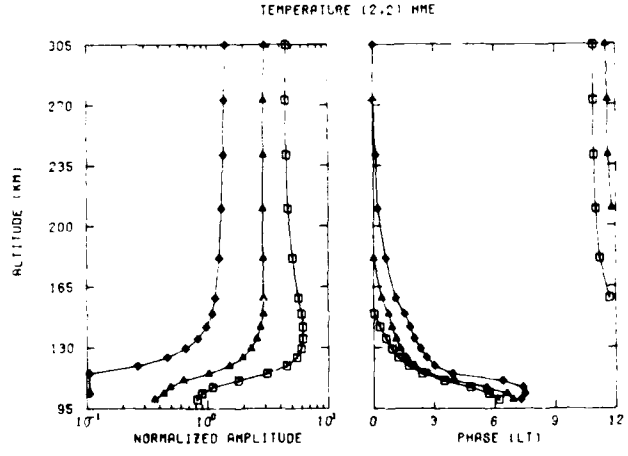


Figure A9. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 2) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for T_o = 1000 K

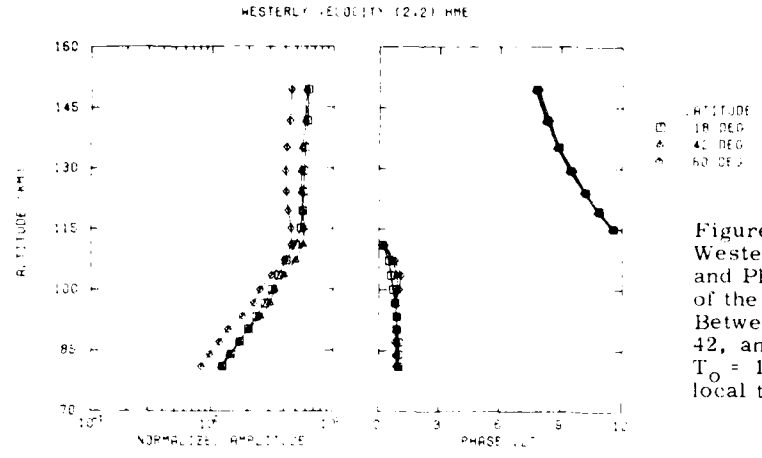


Figure A10. Normalized Westerly Velocity Amplitude and Phase Vertical Structures of the (2, 2) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for T_o = 1000 K. Phases refer to local time of maximum amplitude

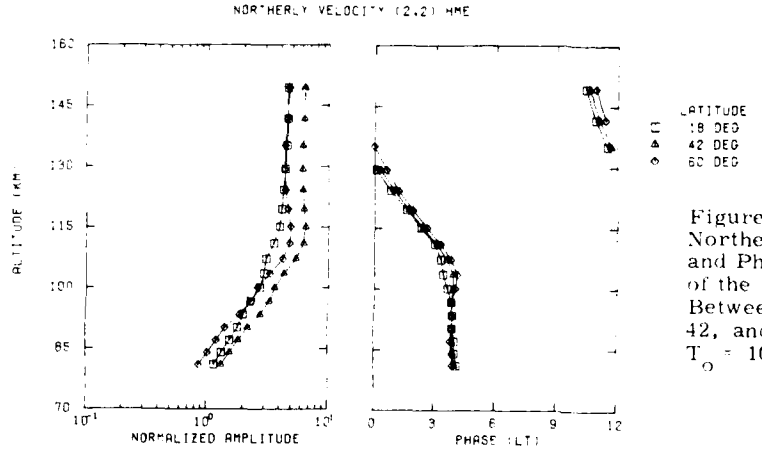


Figure A11. Normalized Northerly Velocity Amplitude and Phase Vertical Structures of the (2, 2) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for T_o = 1000 K

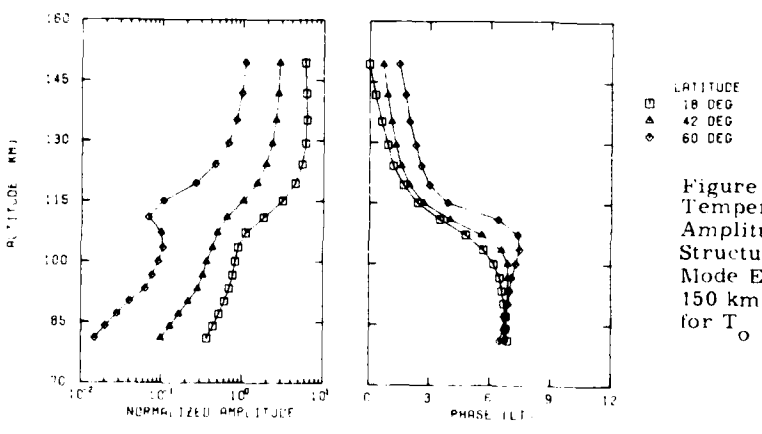


Figure A12. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 2) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for T_o = 1000 K

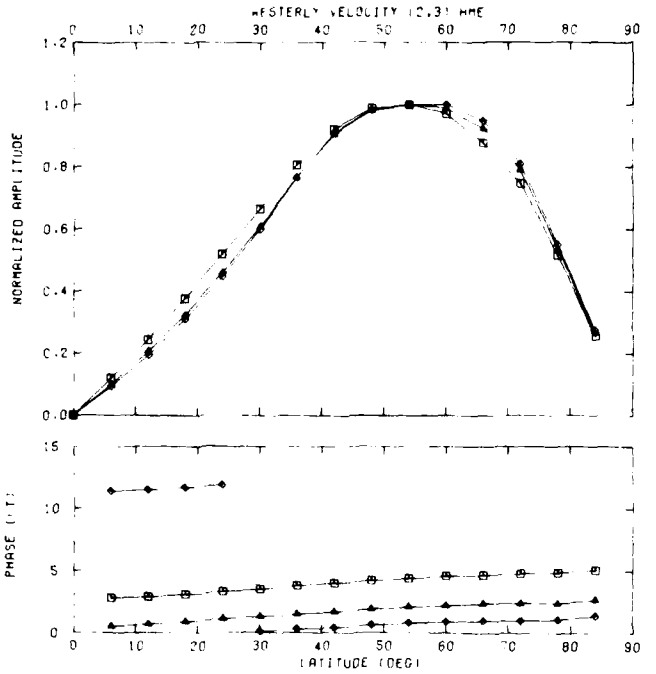


Figure A13. Normalized Westerly Velocity Amplitude and Phase of the (2, 3) Hough Mode Extension at 300 km for T_o = 600 K (NSS = 1), T_o = 1000 K (NSS = 3), and T_o = 1400 K (NSS = 5) With Normalizing Factors Equal to 6.21, 3.72, and 2.42, Respectively. Phases refer to local time of maximum amplitude

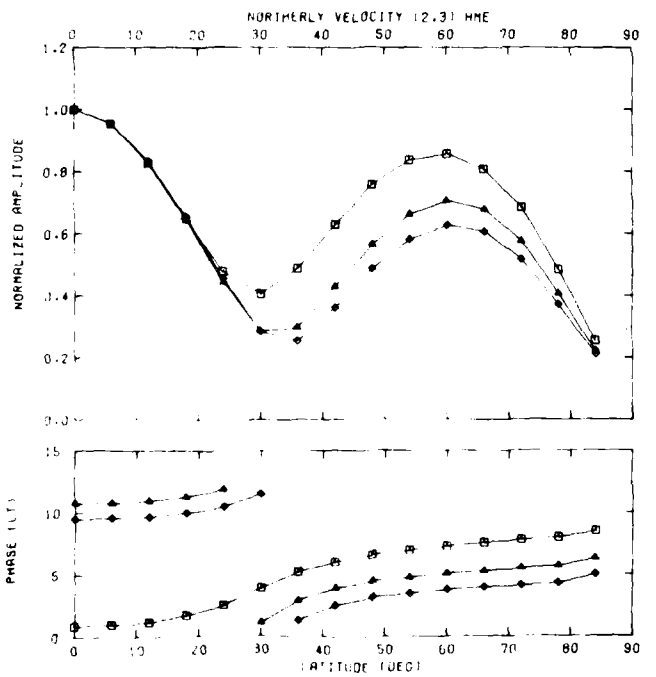


Figure A14. Normalized Northerly Velocity Amplitude and Phase of the (2, 3) Hough Mode Extension at 300 km for T_o = 600 K (NSS = 1), T_o = 1000 K (NSS = 3), and T_o = 1400 K (NSS = 5) With Normalizing Factors Equal to 6.47, 4.76, and 3.55, Respectively

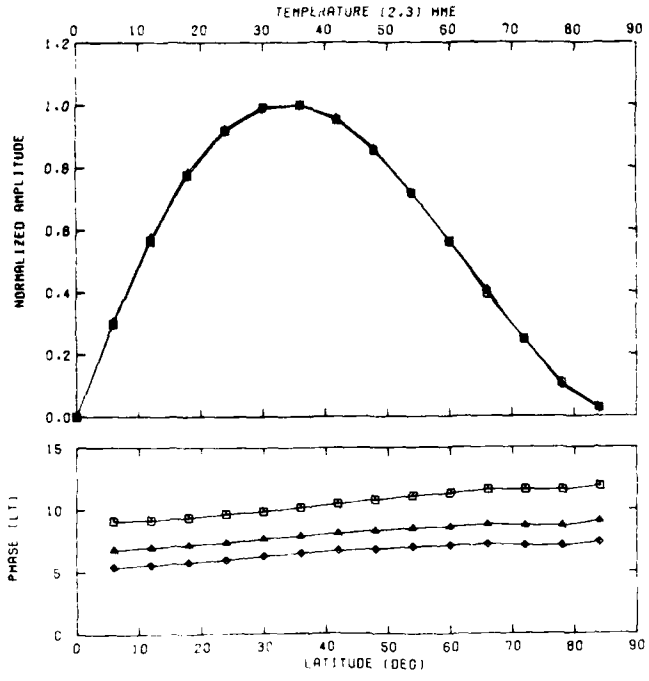


Figure A15. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 3) Hough Mode Extension at 300 km for T_o = 600 K (NSS = 1), T_o = 1000 K (NSS = 3), and T_o = 1400 K (NSS = 5), With Normalizing Factors Equal to 3.80, 3.70, and 3.21, Respectively

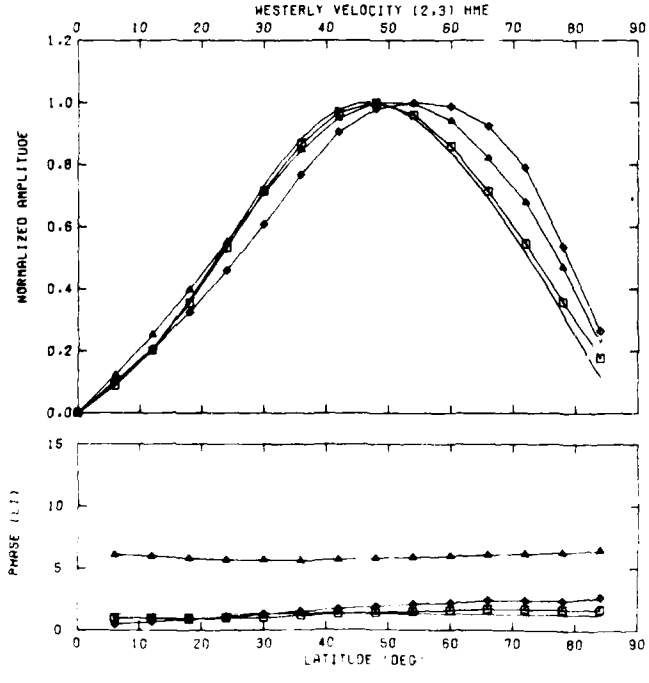


Figure A16. Normalized Westerly Velocity Amplitude and Phase of the (2, 3) Hough Mode Extension at 100, 150, and 300 km for T_o = 1000 K With Normalizing Factors Equal to 2.74, 4.24, and 3.72, Respectively. Phases refer to local time of maximum amplitude

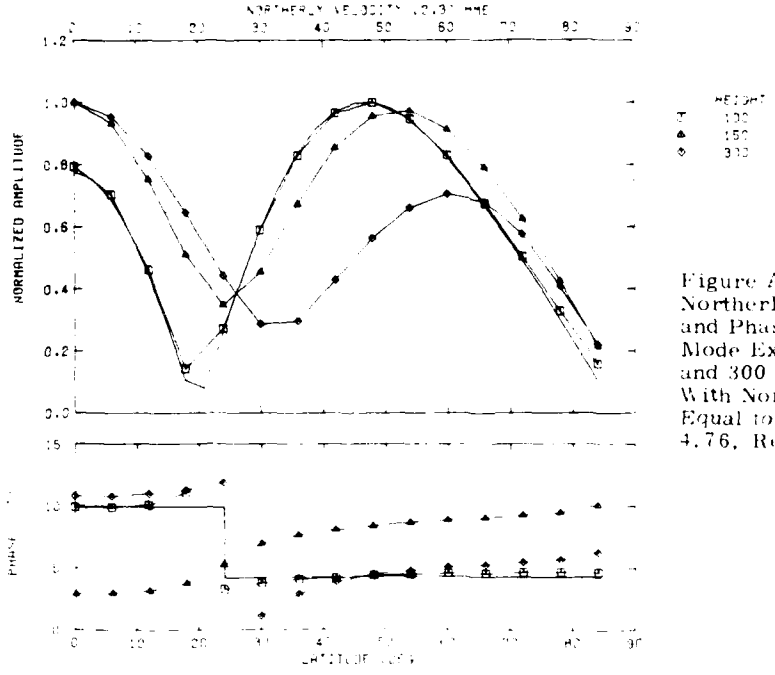


Figure A17. Normalized Northerly Velocity Amplitude and Phase of the (2, 3) Hough Mode Extension at 100, 150, and 300 km for T_o = 1000 K With Normalizing Factors Equal to 2.97, 4.51, and 4.76, Respectively

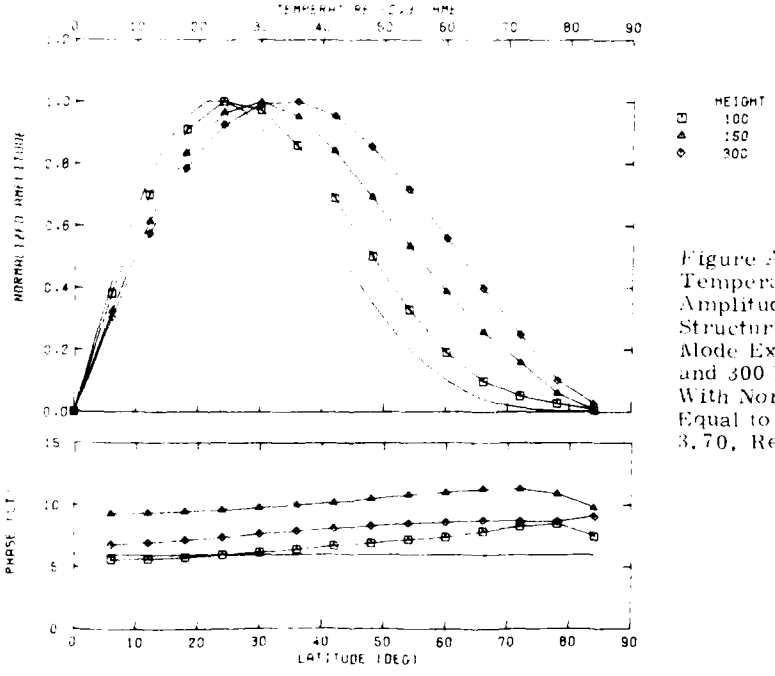


Figure A18. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 3) Hough Mode Extension at 100, 150, and 300 km for T_o = 1000 K With Normalizing Factors Equal to 1.00, 4.61, and 3.70, Respectively

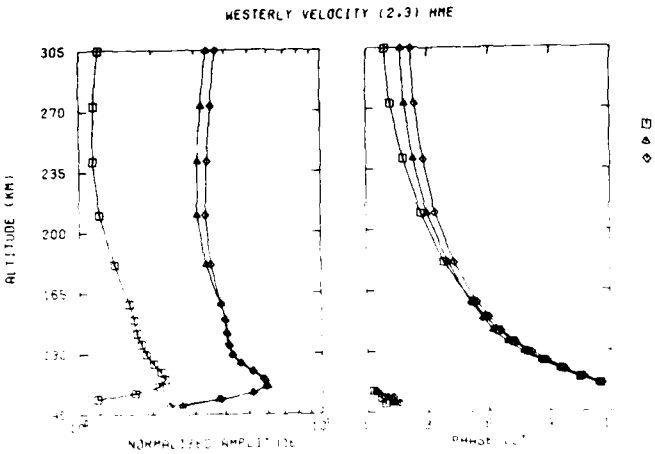


Figure A19. Normalized Westerly Velocity Amplitude and Phase of the (2, 3) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for T_o = 1000 K With Normalizing Factors Equal to 2.98, 2.40, and 1.90, Respectively. Phases refer to local times of maximum amplitude

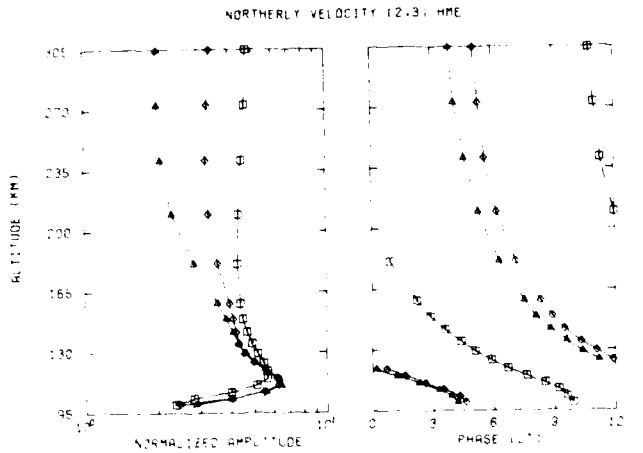


Figure A20. Normalized Northerly Velocity Amplitude and Phase of the (2, 3) Hough Mode Extension Between 100 and 300 km at 0, 42, and 60° Latitude for T_o = 1000 K

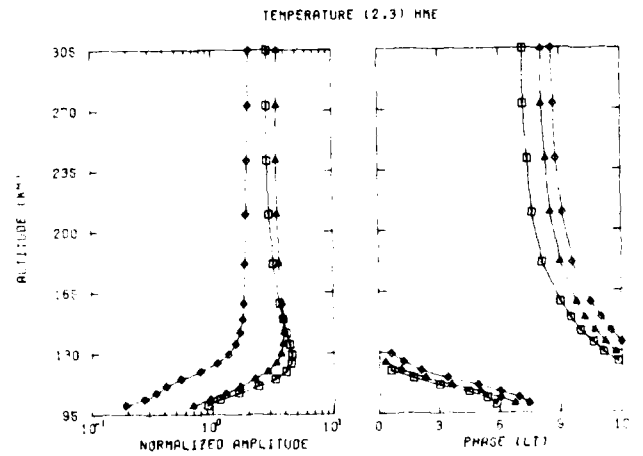


Figure A21. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 3) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for T_o = 1000 K

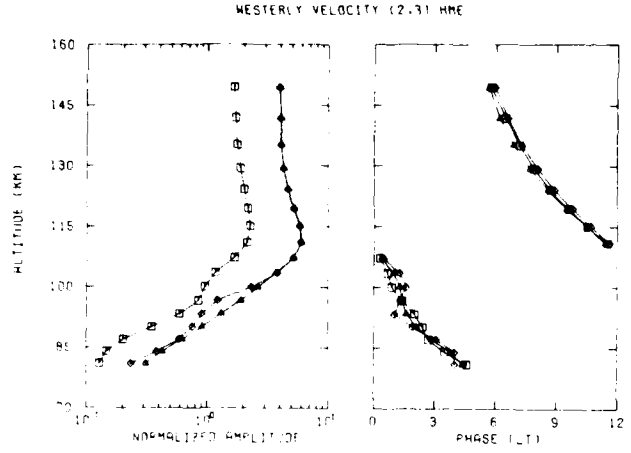


Figure A22. Normalized Westerly Velocity Amplitude and Phase Vertical Structure of the (2,3) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for T_o = 1000 K

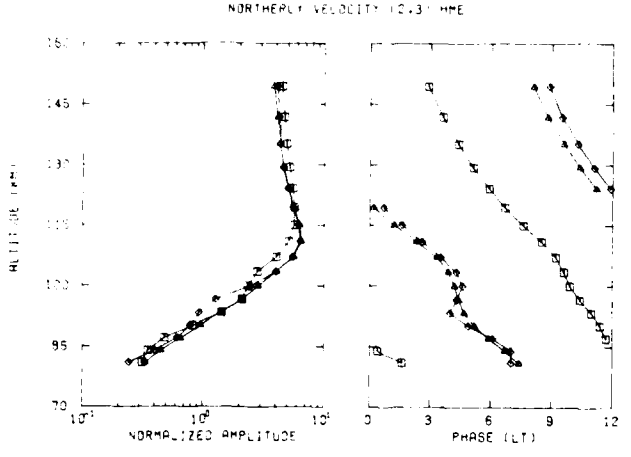


Figure A23. Normalized Northerly Velocity Amplitude and Phase Vertical Structures of the (2,3) Hough Mode Extension Between 80 and 150 km at 0, 42, and 60° Latitude for T_o = 1000 K

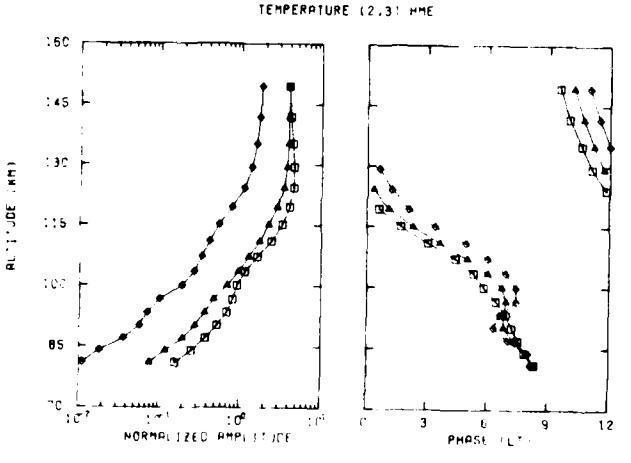


Figure A24. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,3) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for T_o = 1000 K

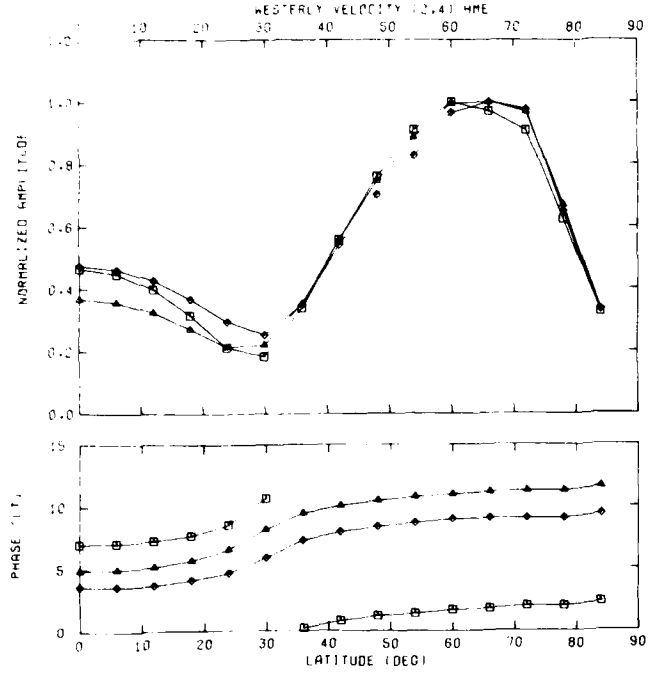


Figure A25. Normalized Westerly Velocity Amplitude and Phase of the (2,4) Hough Mode Extension at 300 km for T_o = 600 K (NSS = 1), T_o = 1000 K (NSS = 3), and T_o = 1400 K (NSS = 5) With Normalizing Factors Equal to 3.54, 1.90, and 0.89, Respectively

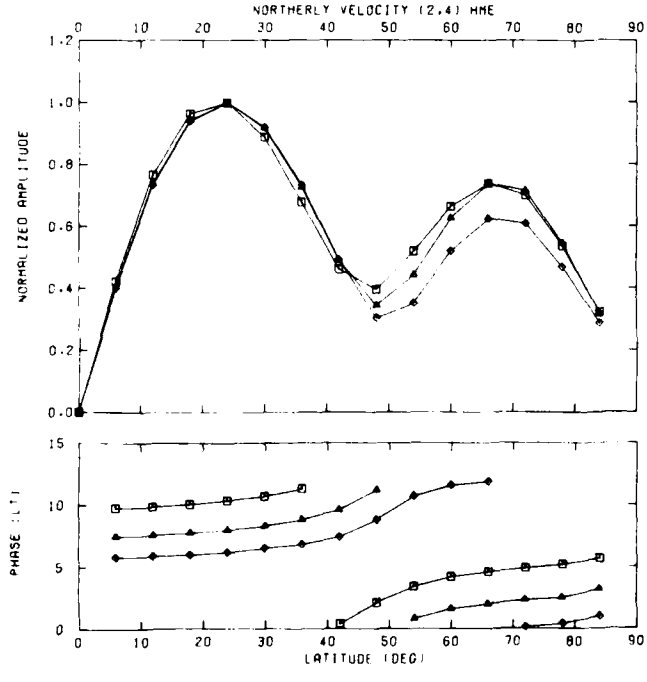


Figure A26. Normalized Northerly Velocity Amplitude and Phase of the (2,4) Hough Mode Extension at 300 km for T_o = 600 K (NSS = 1), T_o = 1000 K (NSS = 3), and T_o = 1400 K (NSS = 5) With Normalizing Factors Equal to 4.17, 2.22, and 1.23, Respectively

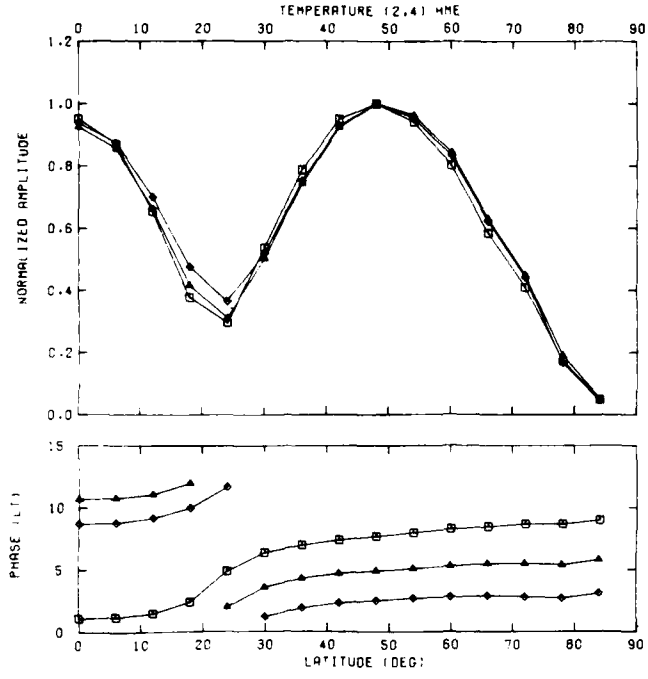


Figure A27. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 4) Hough Mode Extension at 300 km for T_o = 600 K (NSS = 1), T_o = 1000 K (NSS = 3), and T_o = 1400 K (NSS = 5), With Normalizing Factors Equal to 2.33, 1.88, and 1.49, Respectively

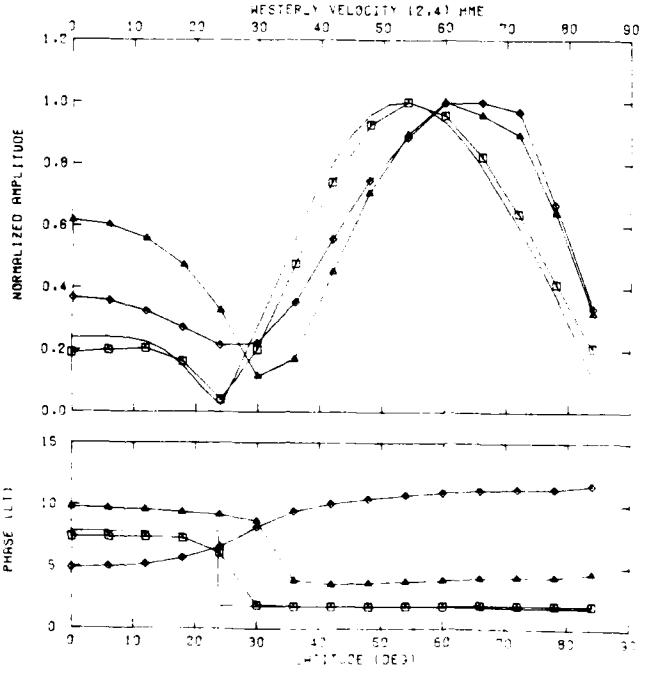


Figure A28. Normalized Westerly Velocity Amplitude and Phase of the (2, 4) Hough Mode Extension at 100, 150, and 300 km, for T_o = 1000 K With Normalizing Factors Equal to 2.98, 2.40, and 1.90, Respectively. Phases refer to local time of maximum amplitude

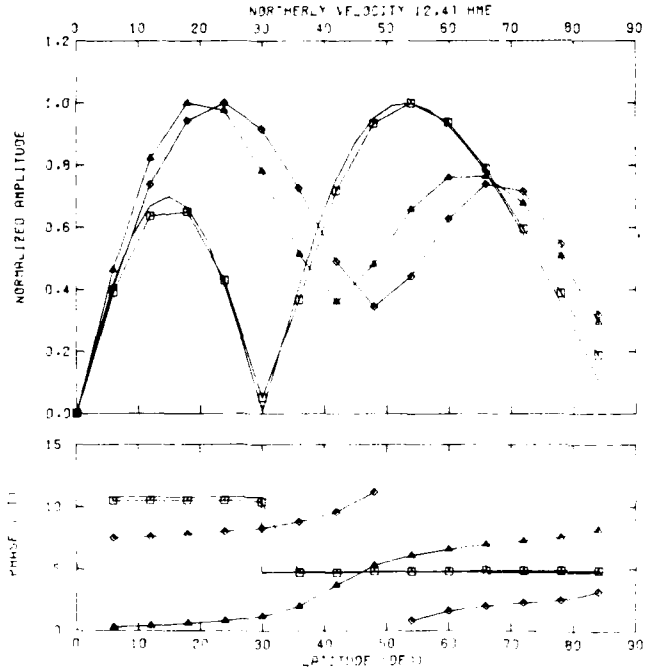


Figure A29. Normalized Northerly Velocity Amplitude and Phase of the (2,4) Hough Mode Extension at 100, 150, and 300 km for T_o = 1000 K With Normalizing Factors Equal to 3.17, 3.08, and 2.22, Respectively

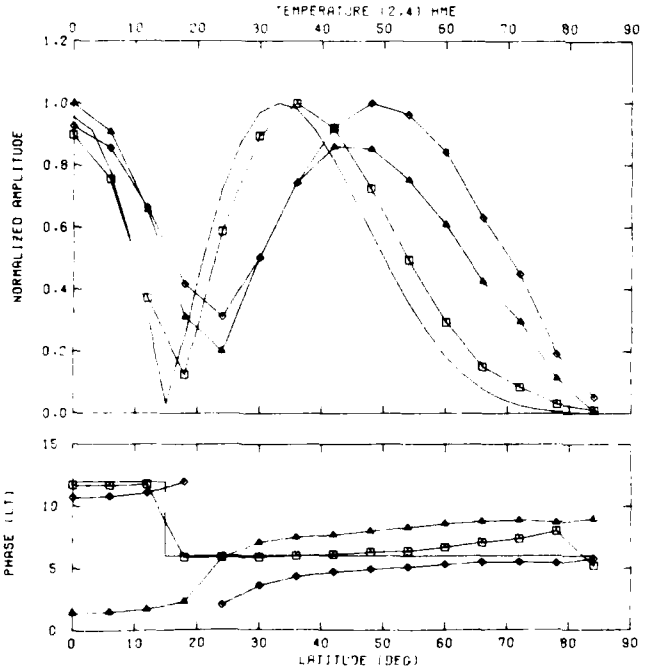


Figure A30. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension at 100, 150, and 300 km, for T_o = 1000 K With Normalizing Factors Equal to 1.00, 2.91, and 1.88, Respectively

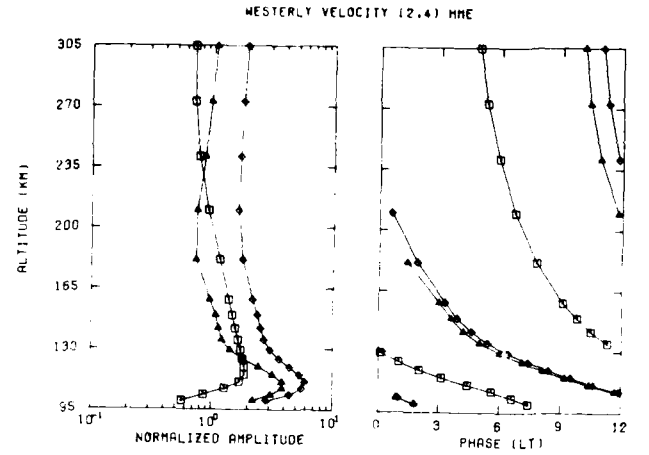


Figure A31. Normalized Westerly Velocity Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 100 and 300 km at 0, 42, and 60° Latitude for T_o = 1000 K. Phases refer to local time of maximum amplitude

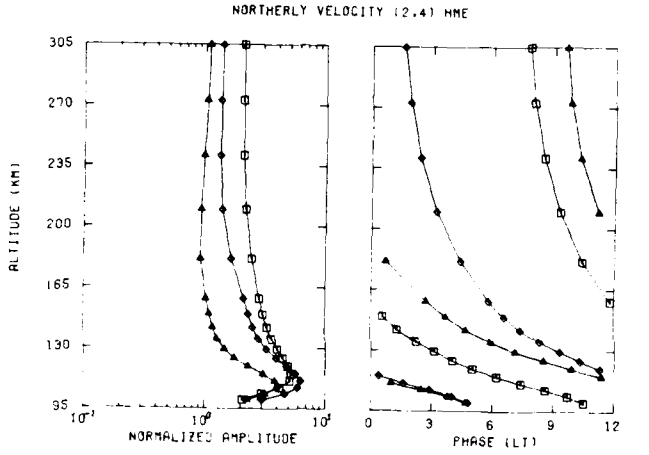


Figure A32. Normalized Northerly Velocity Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for T_o = 1000 K

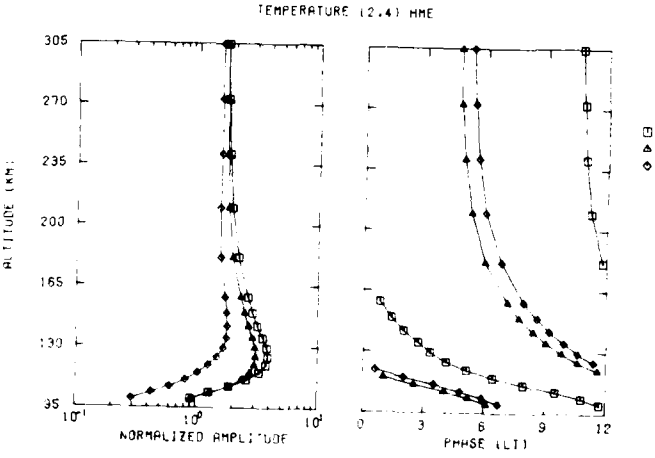


Figure A33. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 100 and 300 km at 0, 42, and 60° Latitude for T_o = 1000 K

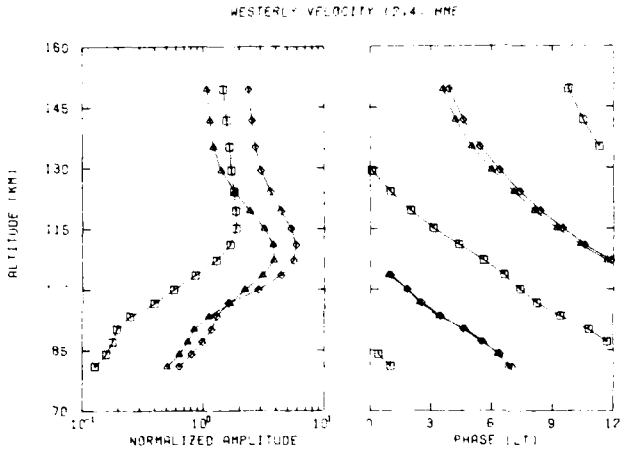


Figure A34. Normalized Westerly Velocity Amplitude and Phase Vertical Structures of the (2, 4) Hough Mode Extension Between 80 and 150 km at 0, 42, and 60° Latitude for T_o = 1000 K. Phases refer to local time of maximum amplitude

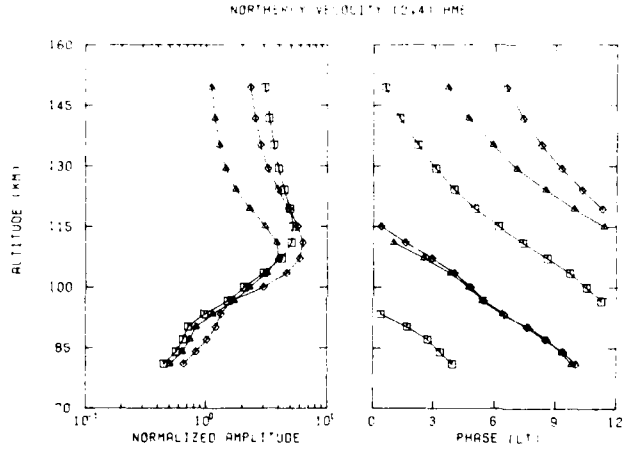


Figure A35. Normalized Northerly Velocity Amplitude and Phase Vertical Structures of the (2, 4) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for T_o = 1000 K

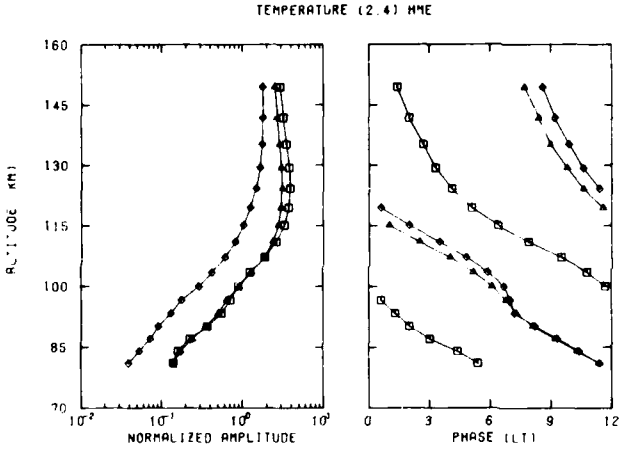


Figure A36. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 4) Hough Mode Extension Between 80 and 150 km at 0, 42, and 60° Latitude for T_o = 1000 K

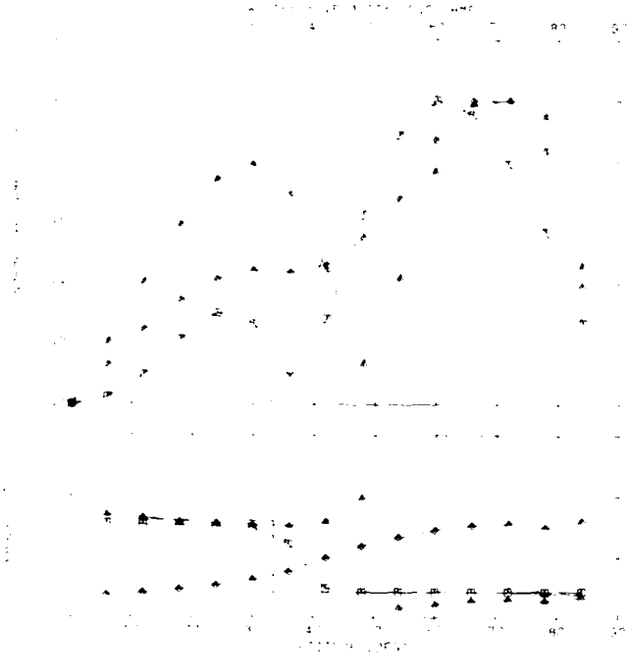


Figure A37. Normalized Westerly Velocity Amplitude and Phase of the (2, 5) Hough Mode Extension at 100, 150, and 300 km for T_o = 1000 K With Normalizing Factors Equal to 4.53, 1.12, and 0.40, Respectively. Phases refer to local time of maximum amplitude

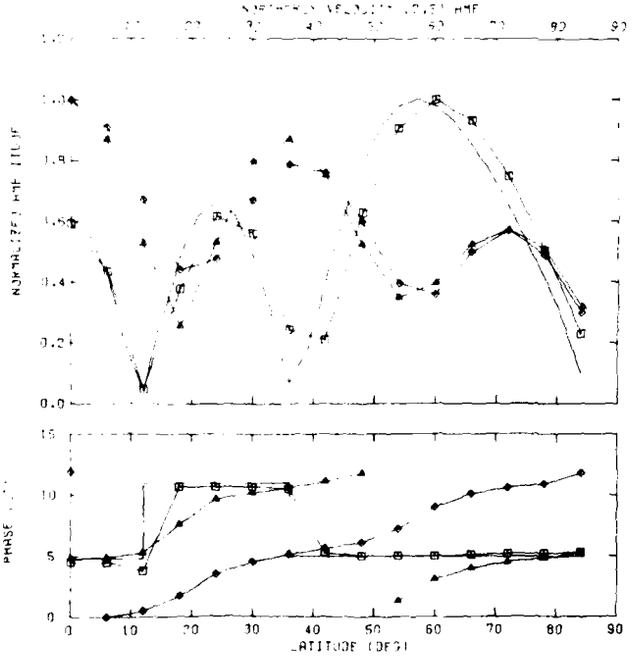


Figure A38. Normalized Northerly Velocity Amplitude and Phase of the (2, 5) Hough Mode Extension at 100, 150, and 300 km for T_o = 1000 K With Normalizing Factors Equal to 4.72, 2.05, and 1.34, Respectively

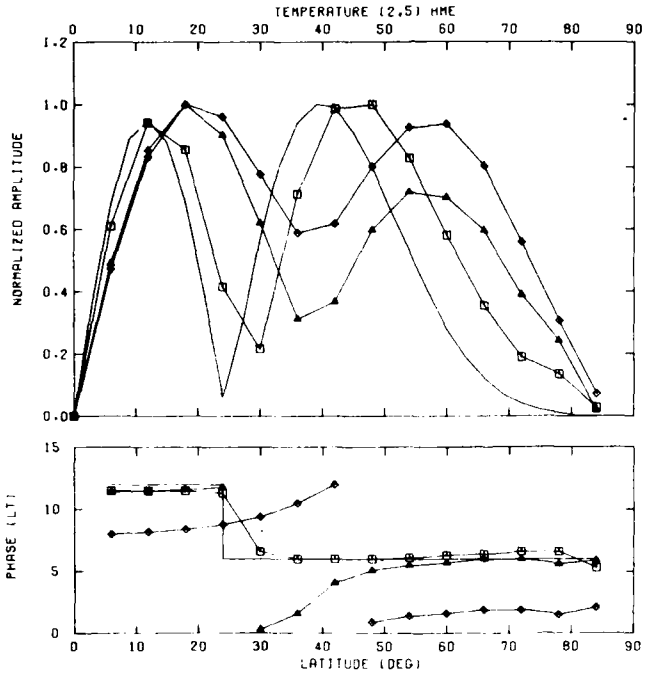


Figure A39. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,5) Hough Mode Extension at 100, 150, and 300 km for T_o = 1000 K With Normalizing Factors Equal to 1.00, 1.67, and 0.94, Respectively

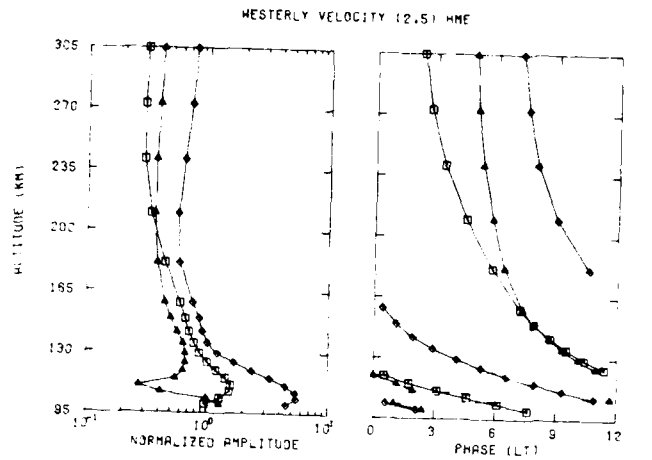


Figure A40. Normalized Westerly Velocity Amplitude and Phase of the (2, 5) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for T_o = 1000 K. Phases refer to local time of maximum amplitude

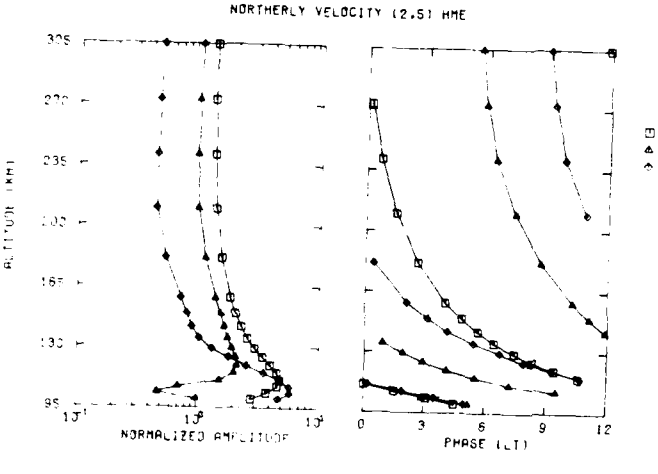


Figure A41. Normalized Northerly Velocity Amplitude and Phase of the (2, 5) Hough Mode Extension Between 100 and 300 km at 0, 42, and 60° Latitude for T_o 1000 K

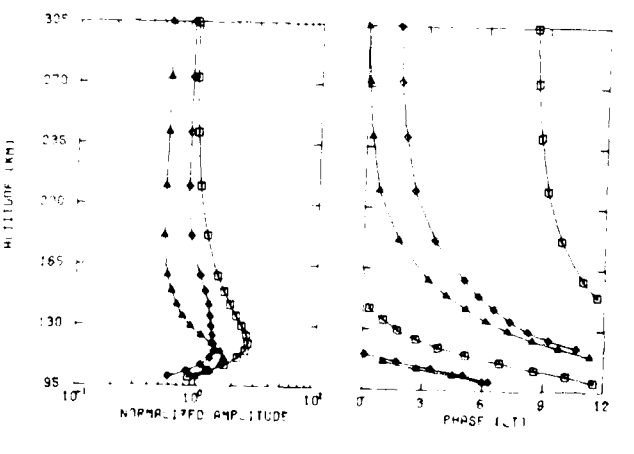


Figure A42. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 5) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for T_o = 1000 K

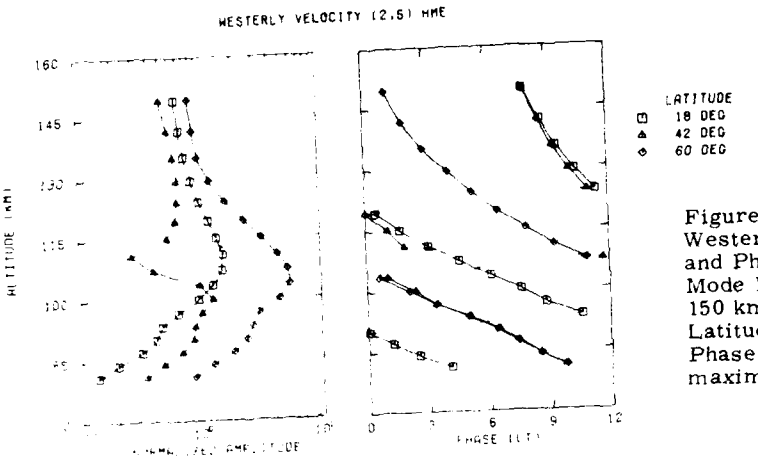


Figure A43. Normalized Westerly Velocity Amplitude and Phase of the (2, 5) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for T_o = 1000 K. Phases refer to local time of maximum amplitude

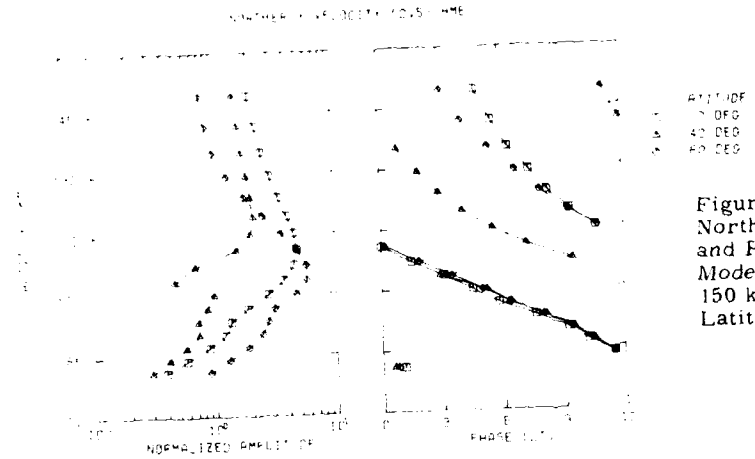


Figure A44. Normalized Northerly Velocity Amplitude and Phase of the (2, 5) Hough Mode Extension Between 80 and 150 km at 0, 42, and 60° Latitude for T_o = 1000 K

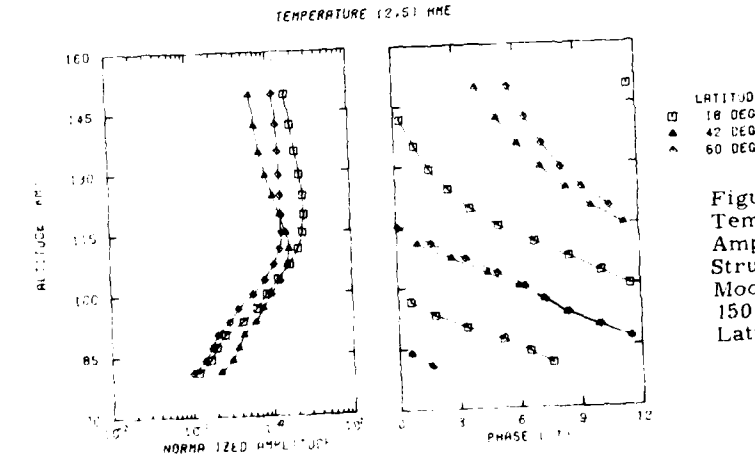


Figure A45. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 5) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for T_o = 1000 K

Appendix B

Tables of Hough Mode Extension Structures for the Fields: Westerly Velocity, Northerly Velocity, Vertical Velocity, and Temperature for the (2,2), (2,3), (2,4), and (2,5) Modes at Levels of Solar Activity Characterized by Global Mean Exospheric Temperatures of 600, 800, 1000, 1200, and 1400 K

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K

T_o = 600 K

Z= 100.017 KM

LAT= 0.0	U=	2.891 /	.7	V=	0.000 /	11.1	W=	.006672 /	5.1	T=	1.000 /	6.9
LAT= 6.0	U=	2.935 /	.7	V=	1.017 /	3.6	W=	.006392 /	5.1	T=	.974 /	6.1
LAT= 12.0	U=	3.057 /	.7	V=	1.945 /	3.6	W=	.005615 /	5.2	T=	.913 /	6.1
LAT= 18.0	U=	3.218 /	.7	V=	2.717 /	3.7	W=	.004459 /	5.2	T=	.831 /	6.2
LAT= 24.0	U=	3.382 /	.7	V=	3.295 /	3.7	W=	.003149 /	5.3	T=	.721 /	6.3
LAT= 30.0	U=	3.503 /	.8	V=	3.664 /	3.8	W=	.001894 /	5.5	T=	.603 /	6.4
LAT= 36.0	U=	3.552 /	.8	V=	3.830 /	3.8	W=	.000897 /	6.0	T=	.476 /	6.5
LAT= 42.0	U=	3.506 /	.8	V=	3.807 /	3.8	W=	.000386 /	7.8	T=	.355 /	6.7
LAT= 48.0	U=	3.353 /	.8	V=	3.618 /	3.8	W=	.000450 /	9.3	T=	.246 /	6.9
LAT= 54.0	U=	3.090 /	.8	V=	3.269 /	3.8	W=	.000504 /	10.4	T=	.157 /	6.9
LAT= 60.0	U=	2.726 /	.8	V=	2.851 /	3.8	W=	.000437 /	10.7	T=	.091 /	7.0
LAT= 66.0	U=	2.260 /	.8	V=	2.360 /	3.8	W=	.000296 /	11.1	T=	.041 /	7.4
LAT= 72.0	U=	1.764 /	.8	V=	1.779 /	3.8	W=	.000178 /	11.5	T=	.020 /	7.6
LAT= 78.0	U=	1.205 /	.8	V=	1.194 /	3.8	W=	.000163 /	10.4	T=	.015 /	7.0
LAT= 84.0	U=	.592 /	.8	V=	.573 /	3.8	W=	.000049 /	9.8	T=	.004 /	6.7

Z= 103.521 KM

LAT= 0.0	U=	3.354 /	.6	V=	0.000 /	5.0	W=	.009579 /	5.1	T=	1.096 /	5.6
LAT= 6.0	U=	3.396 /	.6	V=	1.057 /	3.4	W=	.009255 /	5.1	T=	1.077 /	5.6
LAT= 12.0	U=	3.522 /	.6	V=	2.102 /	3.5	W=	.008329 /	5.2	T=	1.028 /	5.7
LAT= 18.0	U=	3.690 /	.6	V=	2.940 /	3.5	W=	.006844 /	5.3	T=	.944 /	5.8
LAT= 24.0	U=	3.894 /	.7	V=	3.703 /	3.6	W=	.005340 /	5.4	T=	.830 /	5.9
LAT= 30.0	U=	4.065 /	.7	V=	4.212 /	3.6	W=	.003720 /	5.6	T=	.692 /	6.0
LAT= 36.0	U=	4.170 /	.7	V=	4.488 /	3.7	W=	.002240 /	5.8	T=	.542 /	6.1
LAT= 42.0	U=	4.172 /	.8	V=	4.585 /	3.8	W=	.001140 /	6.1	T=	.394 /	6.3
LAT= 48.0	U=	4.039 /	.8	V=	4.369 /	3.8	W=	.000356 /	6.5	T=	.263 /	6.6
LAT= 54.0	U=	3.758 /	.8	V=	4.026 /	3.8	W=	.000135 /	11.6	T=	.159 /	6.9
LAT= 60.0	U=	3.336 /	.8	V=	3.506 /	3.8	W=	.000296 /	.3	T=	.088 /	7.3
LAT= 66.0	U=	2.773 /	.9	V=	2.879 /	3.8	W=	.000335 /	.7	T=	.044 /	8.3
LAT= 72.0	U=	2.161 /	.8	V=	2.184 /	3.8	W=	.000273 /	1.1	T=	.024 /	9.0
LAT= 78.0	U=	1.475 /	.8	V=	1.446 /	3.8	W=	.000147 /	11.7	T=	.016 /	8.1
LAT= 84.0	U=	.726 /	.8	V=	.706 /	3.9	W=	.000052 /	10.0	T=	.006 /	6.9

Z= 107.177 KM

LAT= 0.0	U=	4.019 /	.5	V=	0.000 /	5.1	W=	.014049 /	5.1	T=	1.361 /	4.9
LAT= 6.0	U=	4.066 /	.5	V=	1.191 /	3.4	W=	.013591 /	5.1	T=	1.339 /	4.9
LAT= 12.0	U=	4.207 /	.5	V=	2.347 /	3.4	W=	.012671 /	5.1	T=	1.274 /	5.0
LAT= 18.0	U=	4.418 /	.5	V=	3.419 /	3.4	W=	.011081 /	5.2	T=	1.168 /	5.0
LAT= 24.0	U=	4.666 /	.5	V=	4.384 /	3.4	W=	.009114 /	5.3	T=	1.006 /	5.1
LAT= 30.0	U=	4.900 /	.5	V=	5.048 /	3.5	W=	.006950 /	5.4	T=	.812 /	5.2
LAT= 36.0	U=	5.058 /	.5	V=	5.471 /	3.5	W=	.004845 /	5.4	T=	.601 /	5.3
LAT= 42.0	U=	5.076 /	.5	V=	5.579 /	3.5	W=	.002990 /	5.3	T=	.402 /	5.5
LAT= 48.0	U=	4.913 /	.6	V=	5.376 /	3.5	W=	.001577 /	5.0	T=	.236 /	5.9
LAT= 54.0	U=	4.550 /	.6	V=	4.906 /	3.6	W=	.000733 /	4.1	T=	.123 /	6.6
LAT= 60.0	U=	4.010 /	.6	V=	4.234 /	3.6	W=	.000493 /	2.5	T=	.068 /	7.7
LAT= 66.0	U=	3.299 /	.6	V=	3.441 /	3.6	W=	.000495 /	1.8	T=	.054 /	9.2
LAT= 72.0	U=	2.543 /	.6	V=	2.582 /	3.6	W=	.000433 /	1.6	T=	.044 /	9.8
LAT= 78.0	U=	1.732 /	.7	V=	1.694 /	3.7	W=	.000151 /	.7	T=	.019 /	8.8
LAT= 84.0	U=	.850 /	.7	V=	.803 /	3.7	W=	.000040 /	9.9	T=	.007 /	6.7

Z= 111.013 KM

LAT= 0.0	U=	4.962 /	.1	V=	0.000 /	5.0	W=	.021251 /	5.0	T=	2.083 /	3.9
LAT= 6.0	U=	5.009 /	.1	V=	1.476 /	3.0	W=	.020769 /	5.0	T=	2.032 /	3.9
LAT= 12.0	U=	5.149 /	.1	V=	2.647 /	3.0	W=	.019377 /	5.0	T=	1.886 /	3.9
LAT= 18.0	U=	5.349 /	.1	V=	4.161 /	3.0	W=	.017175 /	5.0	T=	1.656 /	3.9
LAT= 24.0	U=	5.573 /	.1	V=	5.217 /	3.0	W=	.014398 /	5.0	T=	1.364 /	4.0
LAT= 30.0	U=	5.764 /	.1	V=	5.979 /	3.0	W=	.011301 /	5.0	T=	1.039 /	4.0
LAT= 36.0	U=	5.854 /	.1	V=	6.385 /	3.0	W=	.008209 /	4.9	T=	.718 /	4.1
LAT= 42.0	U=	5.786 /	.1	V=	6.415 /	3.0	W=	.005433 /	4.8	T=	.432 /	4.3
LAT= 48.0	U=	5.520 /	.1	V=	6.094 /	3.1	W=	.003221 /	4.6	T=	.212 /	4.6
LAT= 54.0	U=	5.045 /	.1	V=	5.485 /	3.1	W=	.001694 /	4.2	T=	.076 /	5.8
LAT= 60.0	U=	4.400 /	.1	V=	4.676 /	3.1	W=	.000682 /	3.4	T=	.057 /	8.2
LAT= 66.0	U=	3.578 /	.2	V=	3.763 /	3.2	W=	.000561 /	2.1	T=	.076 /	9.2
LAT= 72.0	U=	2.738 /	.2	V=	2.900 /	3.2	W=	.000450 /	1.5	T=	.065 /	9.5
LAT= 78.0	U=	1.873 /	.2	V=	1.921 /	3.2	W=	.000120 /	1.4	T=	.020 /	8.7
LAT= 84.0	U=	.914 /	.3	V=	.843 /	3.3	W=	.000010 /	7.2	T=	.006 /	6.0

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 600 K

Z= 115.091 KM

LAT= 0.0	U=	5.772 / 11.6	V=	0.000 /	4.7	W=	.030393 /	4.7	T=	3.216 /	2.9
LAT= 6.0	U=	5.801 / 11.6	V=	1.713 /	2.4	W=	.029674 /	4.7	T=	3.121 /	2.9
LAT= 12.0	U=	5.897 / 11.6	V=	3.317 /	2.4	W=	.027614 /	4.7	T=	2.853 /	2.9
LAT= 18.0	U=	6.028 / 11.6	V=	4.707 /	2.3	W=	.024409 /	4.7	T=	2.451 /	3.0
LAT= 24.0	U=	6.153 / 11.5	V=	5.795 /	2.3	W=	.020439 /	4.6	T=	1.969 /	3.0
LAT= 30.0	U=	6.225 / 11.5	V=	6.514 /	2.4	W=	.016097 /	4.6	T=	1.462 /	3.1
LAT= 36.0	U=	6.195 / 11.5	V=	6.831 /	2.4	W=	.011820 /	4.6	T=	.991 /	3.1
LAT= 42.0	U=	6.015 / 11.5	V=	6.751 /	2.4	W=	.007987 /	4.5	T=	.595 /	3.3
LAT= 48.0	U=	5.657 / 11.5	V=	6.325 /	2.5	W=	.004876 /	4.5	T=	.293 /	3.6
LAT= 54.0	U=	5.116 / 11.5	V=	5.629 /	2.5	W=	.002605 /	4.3	T=	.113 /	4.4
LAT= 60.0	U=	4.434 / 11.6	V=	4.757 /	2.6	W=	.001208 /	4.0	T=	.059 /	6.6
LAT= 66.0	U=	3.581 / 11.6	V=	3.803 /	2.6	W=	.000385 /	2.9	T=	.082 /	8.0
LAT= 72.0	U=	2.745 / 11.7	V=	2.819 /	2.7	W=	.000222 /	1.3	T=	.066 /	8.2
LAT= 78.0	U=	1.884 / 11.7	V=	1.824 /	2.7	W=	.000085 /	3.6	T=	.015 /	7.5
LAT= 84.0	U=	.915 / 11.7	V=	.832 /	2.8	W=	.000058 /	4.5	T=	.003 /	3.4

Z= 119.451 KM

LAT= 0.0	U=	6.334 / 11.0	V=	0.000 /	4.4	W=	.040010 /	4.4	T=	4.314 /	2.2
LAT= 6.0	U=	6.338 / 11.0	V=	1.856 /	1.6	W=	.039021 /	4.4	T=	4.181 /	2.2
LAT= 12.0	U=	6.377 / 10.9	V=	3.569 /	1.6	W=	.036205 /	4.4	T=	3.812 /	2.2
LAT= 18.0	U=	6.424 / 10.9	V=	5.011 /	1.6	W=	.031881 /	4.3	T=	3.263 /	2.3
LAT= 24.0	U=	6.443 / 10.9	V=	6.088 /	1.6	W=	.026601 /	4.3	T=	2.615 /	2.3
LAT= 30.0	U=	6.400 / 10.9	V=	6.749 /	1.7	W=	.020915 /	4.3	T=	1.953 /	2.4
LAT= 36.0	U=	6.265 / 10.8	V=	6.964 /	1.7	W=	.015394 /	4.3	T=	1.349 /	2.6
LAT= 42.0	U=	6.007 / 10.9	V=	6.824 /	1.8	W=	.010494 /	4.4	T=	.856 /	2.8
LAT= 48.0	U=	5.599 / 10.9	V=	6.335 /	1.8	W=	.006521 /	4.4	T=	.493 /	3.2
LAT= 54.0	U=	5.038 / 10.9	V=	5.602 /	1.9	W=	.003590 /	4.5	T=	.263 /	3.8
LAT= 60.0	U=	4.358 / 11.0	V=	4.714 /	2.0	W=	.001711 /	4.6	T=	.149 /	4.8
LAT= 66.0	U=	3.520 / 11.1	V=	3.759 /	2.1	W=	.000517 /	5.5	T=	.120 /	6.0
LAT= 72.0	U=	2.711 / 11.1	V=	2.784 /	2.1	W=	.000241 /	6.8	T=	.081 /	6.1
LAT= 78.0	U=	1.860 / 11.2	V=	1.800 /	2.2	W=	.000209 /	5.3	T=	.021 /	5.0
LAT= 84.0	U=	.900 / 11.2	V=	.819 /	2.3	W=	.000112 /	4.4	T=	.007 /	1.9

Z= 124.175 KM

LAT= 0.0	U=	6.741 / 10.4	V=	0.000 /	4.0	W=	.049427 /	4.0	T=	5.020 /	1.7
LAT= 6.0	U=	6.722 / 10.4	V=	1.951 /	.9	W=	.048179 /	4.0	T=	4.869 /	1.7
LAT= 12.0	U=	6.712 / 10.3	V=	3.736 /	.9	W=	.044646 /	4.0	T=	4.450 /	1.7
LAT= 18.0	U=	6.697 / 10.3	V=	5.211 /	.9	W=	.039246 /	4.0	T=	3.830 /	1.8
LAT= 24.0	U=	6.638 / 10.3	V=	6.278 /	1.0	W=	.032688 /	4.1	T=	3.102 /	1.9
LAT= 30.0	U=	6.515 / 10.3	V=	6.899 /	1.0	W=	.025681 /	4.1	T=	2.361 /	2.1
LAT= 36.0	U=	6.316 / 10.2	V=	7.083 /	1.1	W=	.018946 /	4.2	T=	1.692 /	2.3
LAT= 42.0	U=	6.016 / 10.2	V=	6.877 /	1.2	W=	.013034 /	4.3	T=	1.148 /	2.6
LAT= 48.0	U=	5.588 / 10.3	V=	6.357 /	1.2	W=	.008287 /	4.4	T=	.746 /	3.0
LAT= 54.0	U=	5.026 / 10.3	V=	5.613 /	1.3	W=	.004830 /	4.7	T=	.476 /	3.5
LAT= 60.0	U=	4.357 / 10.4	V=	4.726 /	1.4	W=	.002602 /	5.1	T=	.306 /	4.1
LAT= 66.0	U=	3.539 / 10.5	V=	3.773 /	1.5	W=	.001351 /	6.2	T=	.219 /	4.8
LAT= 72.0	U=	2.742 / 10.6	V=	2.798 /	1.6	W=	.000879 /	6.6	T=	.137 /	4.8
LAT= 78.0	U=	1.875 / 10.6	V=	1.814 /	1.7	W=	.000403 /	5.6	T=	.043 /	4.1
LAT= 84.0	U=	.908 / 10.7	V=	.832 /	1.8	W=	.000148 /	4.2	T=	.008 /	1.7

Z= 129.367 KM

LAT= 0.0	U=	6.992 / 9.9	V=	0.000 /	3.6	W=	.058236 /	3.7	T=	5.311 /	1.3
LAT= 6.0	U=	6.955 / 9.8	V=	2.010 /	.2	W=	.056758 /	3.7	T=	5.159 /	1.3
LAT= 12.0	U=	6.919 / 9.8	V=	3.840 /	.3	W=	.052589 /	3.7	T=	4.741 /	1.4
LAT= 18.0	U=	6.877 / 9.8	V=	5.335 /	.3	W=	.046230 /	3.7	T=	4.123 /	1.5
LAT= 24.0	U=	6.783 / 9.7	V=	6.339 /	.4	W=	.038511 /	3.8	T=	3.395 /	1.6
LAT= 30.0	U=	6.624 / 9.7	V=	7.000 /	.4	W=	.030292 /	3.9	T=	2.652 /	1.8
LAT= 36.0	U=	6.399 / 9.7	V=	7.161 /	.5	W=	.022448 /	4.0	T=	1.979 /	2.1
LAT= 42.0	U=	6.087 / 9.7	V=	6.940 /	.6	W=	.015632 /	4.2	T=	1.427 /	2.4
LAT= 48.0	U=	5.657 / 9.7	V=	6.417 /	.7	W=	.010226 /	4.5	T=	1.003 /	2.8
LAT= 54.0	U=	5.102 / 9.8	V=	5.682 /	.8	W=	.006357 /	4.9	T=	.698 /	3.3
LAT= 60.0	U=	4.445 / 9.9	V=	4.807 /	.9	W=	.003826 /	5.3	T=	.474 /	3.7
LAT= 66.0	U=	3.645 / 10.0	V=	3.858 /	1.0	W=	.002449 /	6.2	T=	.336 /	4.2
LAT= 72.0	U=	2.842 / 10.1	V=	2.876 /	1.1	W=	.001614 /	6.4	T=	.203 /	4.2
LAT= 78.0	U=	1.933 / 10.1	V=	1.872 /	1.2	W=	.000598 /	5.6	T=	.065 /	3.8
LAT= 84.0	U=	.938 / 10.2	V=	.870 /	1.4	W=	.000157 /	3.9	T=	.007 /	2.4

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 600 K

Z= 135.169 KM

LAT= 0.0	U=	7.077 /	9.4	V=	0.000 /	9.7	W=	.066177 /	3.3	T=	5.320 /	1.0
LAT= 6.0	U=	7.035 /	9.3	V=	2.027 /	11.7	W=	.064487 /	3.3	T=	5.178 /	1.1
LAT= 12.0	U=	7.000 /	9.3	V=	3.869 /	11.7	W=	.059747 /	3.4	T=	4.792 /	1.1
LAT= 18.0	U=	6.969 /	9.3	V=	5.370 /	11.8	W=	.052542 /	3.4	T=	4.219 /	1.3
LAT= 24.0	U=	6.885 /	9.2	V=	6.434 /	11.8	W=	.043812 /	3.5	T=	3.542 /	1.4
LAT= 30.0	U=	6.729 /	9.2	V=	7.036 /	11.9	W=	.034549 /	3.7	T=	2.843 /	1.7
LAT= 36.0	U=	6.511 /	9.2	V=	7.202 /	.0	W=	.025769 /	3.8	T=	2.204 /	2.0
LAT= 42.0	U=	6.205 /	9.2	V=	6.994 /	.1	W=	.018214 /	4.1	T=	1.666 /	2.3
LAT= 48.0	U=	5.782 /	9.3	V=	6.445 /	.2	W=	.012282 /	4.5	T=	1.233 /	2.7
LAT= 54.0	U=	5.236 /	9.4	V=	5.786 /	.3	W=	.008081 /	4.9	T=	.898 /	3.1
LAT= 60.0	U=	4.587 /	9.5	V=	4.934 /	.5	W=	.005233 /	5.4	T=	.626 /	3.4
LAT= 66.0	U=	3.804 /	9.6	V=	3.992 /	.6	W=	.003652 /	6.2	T=	.445 /	3.8
LAT= 72.0	U=	2.984 /	9.6	V=	2.997 /	.7	W=	.002363 /	6.2	T=	.262 /	3.8
LAT= 78.0	U=	2.018 /	9.7	V=	1.963 /	.8	W=	.000769 /	5.6	T=	.086 /	3.6
LAT= 84.0	U=	.982 /	9.8	V=	.926 /	1.0	W=	.000141 /	3.1	T=	.008 /	3.7

Z= 141.772 KM

LAT= 0.0	U=	7.022 /	8.9	V=	0.000 /	9.2	W=	.073458 /	3.0	T=	5.166 /	.8
LAT= 6.0	U=	6.982 /	8.9	V=	2.001 /	11.2	W=	.071544 /	3.0	T=	5.039 /	.8
LAT= 12.0	U=	6.971 /	8.8	V=	3.823 /	11.2	W=	.066222 /	3.0	T=	4.699 /	.9
LAT= 18.0	U=	6.982 /	8.8	V=	5.315 /	11.3	W=	.058199 /	3.1	T=	4.193 /	1.1
LAT= 24.0	U=	6.938 /	8.8	V=	6.382 /	11.3	W=	.048548 /	3.3	T=	3.589 /	1.3
LAT= 30.0	U=	6.814 /	8.7	V=	6.999 /	11.4	W=	.038387 /	3.4	T=	2.955 /	1.5
LAT= 36.0	U=	6.620 /	8.8	V=	7.142 /	11.6	W=	.028847 /	3.7	T=	2.366 /	1.8
LAT= 42.0	U=	6.335 /	8.8	V=	7.002 /	11.7	W=	.020714 /	4.0	T=	1.856 /	2.2
LAT= 48.0	U=	5.920 /	8.9	V=	6.563 /	11.8	W=	.014374 /	4.4	T=	1.421 /	2.5
LAT= 54.0	U=	5.383 /	9.0	V=	5.895 /	11.9	W=	.009884 /	4.9	T=	1.063 /	2.9
LAT= 60.0	U=	4.741 /	9.1	V=	5.073 /	.1	W=	.006694 /	5.4	T=	.754 /	3.2
LAT= 66.0	U=	3.975 /	9.2	V=	4.143 /	.2	W=	.004856 /	6.1	T=	.535 /	3.5
LAT= 72.0	U=	3.138 /	9.3	V=	3.135 /	.3	W=	.003072 /	6.1	T=	.312 /	3.4
LAT= 78.0	U=	2.113 /	9.3	V=	2.067 /	.4	W=	.000926 /	5.6	T=	.106 /	3.4
LAT= 84.0	U=	1.030 /	9.4	V=	.991 /	.7	W=	.000111 /	2.2	T=	.013 /	4.0

Z= 149.425 KM

LAT= 0.0	U=	6.861 /	8.5	V=	0.000 /	8.7	W=	.080543 /	2.6	T=	4.931 /	.6
LAT= 6.0	U=	6.829 /	8.4	V=	1.945 /	10.7	W=	.078457 /	2.6	T=	4.822 /	.7
LAT= 12.0	U=	6.849 /	8.4	V=	3.723 /	10.7	W=	.072454 /	2.7	T=	4.531 /	.8
LAT= 18.0	U=	6.910 /	8.4	V=	5.189 /	10.8	W=	.063534 /	2.8	T=	4.096 /	.9
LAT= 24.0	U=	6.920 /	8.4	V=	6.254 /	10.9	W=	.052945 /	3.0	T=	3.571 /	1.2
LAT= 30.0	U=	6.840 /	8.4	V=	6.891 /	11.0	W=	.041946 /	3.2	T=	3.010 /	1.4
LAT= 36.0	U=	6.684 /	8.4	V=	7.123 /	11.2	W=	.031740 /	3.5	T=	2.476 /	1.7
LAT= 42.0	U=	6.424 /	8.5	V=	7.000 /	11.3	W=	.023122 /	3.9	T=	1.996 /	2.1
LAT= 48.0	U=	6.026 /	8.5	V=	6.594 /	11.4	W=	.016430 /	4.3	T=	1.567 /	2.4
LAT= 54.0	U=	5.502 /	8.6	V=	5.973 /	11.6	W=	.011665 /	4.9	T=	1.193 /	2.7
LAT= 60.0	U=	4.870 /	8.8	V=	5.189 /	11.7	W=	.008121 /	5.3	T=	.856 /	3.0
LAT= 66.0	U=	4.124 /	8.9	V=	4.278 /	11.9	W=	.005987 /	5.9	T=	.607 /	3.3
LAT= 72.0	U=	3.273 /	8.9	V=	3.263 /	.0	W=	.003704 /	5.9	T=	.352 /	3.2
LAT= 78.0	U=	2.202 /	9.0	V=	2.165 /	.1	W=	.001088 /	5.7	T=	.125 /	3.2
LAT= 84.0	U=	1.076 /	9.1	V=	1.056 /	.4	W=	.000041 /	.8	T=	.020 /	3.9

Z= 158.420 KM

LAT= 0.0	U=	6.633 /	8.1	V=	0.000 /	6.8	W=	.088035 /	2.2	T=	4.685 /	.5
LAT= 6.0	U=	6.607 /	8.0	V=	1.877 /	10.3	W=	.085527 /	2.3	T=	4.594 /	.5
LAT= 12.0	U=	6.648 /	8.0	V=	3.597 /	10.3	W=	.078730 /	2.3	T=	4.348 /	.7
LAT= 18.0	U=	6.747 /	8.0	V=	5.026 /	10.4	W=	.068807 /	2.5	T=	3.980 /	.8
LAT= 24.0	U=	6.805 /	8.0	V=	6.081 /	10.5	W=	.057227 /	2.7	T=	3.527 /	1.1
LAT= 30.0	U=	6.775 /	8.0	V=	6.732 /	10.6	W=	.045385 /	2.9	T=	3.034 /	1.3
LAT= 36.0	U=	6.670 /	8.1	V=	6.969 /	10.8	W=	.034525 /	3.3	T=	2.551 /	1.6
LAT= 42.0	U=	6.452 /	8.2	V=	6.926 /	11.0	W=	.025419 /	3.7	T=	2.100 /	2.0
LAT= 48.0	U=	6.082 /	8.3	V=	6.577 /	11.1	W=	.018361 /	4.2	T=	1.677 /	2.3
LAT= 54.0	U=	5.581 /	8.4	V=	6.010 /	11.3	W=	.013312 /	4.7	T=	1.293 /	2.6
LAT= 60.0	U=	4.966 /	8.5	V=	5.270 /	11.4	W=	.009419 /	5.2	T=	.934 /	2.8
LAT= 66.0	U=	4.245 /	8.6	V=	4.383 /	11.6	W=	.006975 /	5.7	T=	.663 /	3.1
LAT= 72.0	U=	3.384 /	8.7	V=	3.367 /	11.7	W=	.004217 /	5.7	T=	.383 /	3.0
LAT= 78.0	U=	2.277 /	8.7	V=	2.249 /	11.8	W=	.001247 /	5.7	T=	.142 /	3.1
LAT= 84.0	U=	1.118 /	8.8	V=	1.112 /	.2	W=	.000120 /	8.2	T=	.027 /	3.7

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 600 K

Z= [illegible] KM

LAT= 0.0	U=	6.150	/ 7.4	V=	0.000	/ 1.7	W=	.102022	/ 1.5	T=	4.371	/ .3
LAT= 6.0	U=	6.132	/ 7.3	V=	1.748	/ 9.5	W=	.098882	/ 1.6	T=	4.302	/ .4
LAT= 12.0	U=	6.197	/ 7.4	V=	3.338	/ 9.6	W=	.090566	/ 1.6	T=	4.122	/ .5
LAT= 18.0	U=	6.344	/ 7.4	V=	4.784	/ 9.7	W=	.078747	/ 1.8	T=	3.847	/ .7
LAT= 24.0	U=	6.493	/ 7.4	V=	5.913	/ 9.9	W=	.065255	/ 2.0	T=	3.496	/ 1.0
LAT= 30.0	U=	6.578	/ 7.5	V=	6.316	/ 10.1	W=	.051738	/ 2.3	T=	3.092	/ 1.2
LAT= 36.0	U=	6.605	/ 7.6	V=	6.521	/ 10.2	W=	.039445	/ 2.7	T=	2.675	/ 1.5
LAT= 42.0	U=	6.498	/ 7.7	V=	6.707	/ 10.4	W=	.029123	/ 3.2	T=	2.266	/ 1.8
LAT= 48.0	U=	6.198	/ 7.9	V=	6.508	/ 10.6	W=	.021116	/ 3.7	T=	1.843	/ 2.1
LAT= 54.0	U=	5.745	/ 7.9	V=	6.050	/ 10.8	W=	.015452	/ 4.3	T=	1.442	/ 2.4
LAT= 60.0	U=	5.157	/ 8.1	V=	5.348	/ 11.0	W=	.011041	/ 4.7	T=	1.048	/ 2.6
LAT= 66.0	U=	4.473	/ 8.2	V=	4.562	/ 11.1	W=	.008129	/ 5.2	T=	.741	/ 2.8
LAT= 72.0	U=	3.580	/ 8.2	V=	3.645	/ 11.3	W=	.004643	/ 5.2	T=	.427	/ 2.8
LAT= 78.0	U=	2.410	/ 8.3	V=	2.390	/ 11.4	W=	.001292	/ 5.9	T=	.169	/ 2.9
LAT= 84.0	U=	1.193	/ 8.3	V=	1.205	/ 11.8	W=	.000553	/ 7.7	T=	.040	/ 3.3

Z= 201.965 KM

LAT= 0.0	U=	5.896	/ 6.9	V=	0.000	/ 9.2	W=	.114704	/ .9	T=	4.323	/ .3
LAT= 6.0	U=	5.890	/ 6.9	V=	1.681	/ 9.1	W=	.111162	/ .9	T=	4.264	/ .3
LAT= 12.0	U=	5.974	/ 6.9	V=	3.167	/ 9.2	W=	.101879	/ 1.0	T=	4.113	/ .5
LAT= 18.0	U=	6.158	/ 7.0	V=	4.492	/ 9.3	W=	.088671	/ 1.2	T=	3.877	/ .7
LAT= 24.0	U=	6.382	/ 7.1	V=	5.498	/ 9.5	W=	.073374	/ 1.4	T=	3.567	/ .9
LAT= 30.0	U=	6.568	/ 7.2	V=	6.193	/ 9.7	W=	.057853	/ 1.7	T=	3.196	/ 1.2
LAT= 36.0	U=	6.708	/ 7.3	V=	6.596	/ 9.9	W=	.043515	/ 2.0	T=	2.800	/ 1.5
LAT= 42.0	U=	6.689	/ 7.4	V=	6.727	/ 10.1	W=	.031274	/ 2.5	T=	2.391	/ 1.7
LAT= 48.0	U=	6.443	/ 7.5	V=	6.550	/ 10.3	W=	.021688	/ 3.0	T=	1.968	/ 2.0
LAT= 54.0	U=	5.946	/ 7.7	V=	6.163	/ 10.5	W=	.015080	/ 3.6	T=	1.549	/ 2.3
LAT= 60.0	U=	5.401	/ 7.8	V=	5.566	/ 10.7	W=	.010465	/ 4.1	T=	1.129	/ 2.5
LAT= 66.0	U=	4.716	/ 7.9	V=	4.755	/ 10.9	W=	.007553	/ 4.6	T=	.796	/ 2.7
LAT= 72.0	U=	3.772	/ 8.0	V=	3.720	/ 11.0	W=	.003992	/ 4.6	T=	.458	/ 2.7
LAT= 78.0	U=	2.538	/ 8.0	V=	2.517	/ 11.2	W=	.001012	/ 6.2	T=	.188	/ 2.8
LAT= 84.0	U=	1.262	/ 8.2	V=	1.279	/ 11.5	W=	.000903	/ 7.7	T=	.049	/ 3.1

Z= 241.[illegible] KM

LAT= 0.0	U=	5.809	/ 6.6	V=	0.000	/ 5.3	W=	.130662	/ .3	T=	4.396	/ .3
LAT= 6.0	U=	5.901	/ 6.6	V=	1.625	/ 8.9	W=	.126868	/ .4	T=	4.342	/ .3
LAT= 12.0	U=	6.002	/ 6.7	V=	3.125	/ 9.0	W=	.116954	/ .4	T=	4.197	/ .4
LAT= 18.0	U=	6.211	/ 6.8	V=	4.412	/ 9.1	W=	.102563	/ .6	T=	3.971	/ .7
LAT= 24.0	U=	6.478	/ 6.9	V=	5.483	/ 9.3	W=	.085279	/ .8	T=	3.670	/ .9
LAT= 30.0	U=	6.722	/ 7.0	V=	6.175	/ 9.5	W=	.067167	/ 1.0	T=	3.302	/ 1.2
LAT= 36.0	U=	6.922	/ 7.1	V=	6.630	/ 9.7	W=	.050020	/ 1.3	T=	2.907	/ 1.4
LAT= 42.0	U=	6.945	/ 7.3	V=	6.794	/ 10.0	W=	.035106	/ 1.7	T=	2.492	/ 1.7
LAT= 48.0	U=	6.704	/ 7.4	V=	6.683	/ 10.2	W=	.023108	/ 2.1	T=	2.057	/ 2.0
LAT= 54.0	U=	6.260	/ 7.5	V=	6.329	/ 10.4	W=	.014515	/ 2.6	T=	1.623	/ 2.2
LAT= 60.0	U=	5.642	/ 7.7	V=	5.750	/ 10.6	W=	.009135	/ 3.1	T=	1.184	/ 2.4
LAT= 66.0	U=	4.930	/ 7.8	V=	4.938	/ 10.8	W=	.006208	/ 3.6	T=	.833	/ 2.7
LAT= 72.0	U=	3.941	/ 7.9	V=	3.876	/ 10.9	W=	.003083	/ 3.3	T=	.479	/ 2.7
LAT= 78.0	U=	2.649	/ 7.9	V=	2.626	/ 11.1	W=	.000290	/ 8.4	T=	.200	/ 2.8
LAT= 84.0	U=	1.319	/ 8.1	V=	1.336	/ 11.4	W=	.001078	/ 7.9	T=	.054	/ 3.0

Z= 272.801 KM

LAT= 0.0	U=	6.004	/ 6.5	V=	0.000	/ 4.7	W=	.152506	/ 11.9	T=	4.510	/ .3
LAT= 6.0	U=	6.012	/ 6.5	V=	1.622	/ 8.8	W=	.148498	/ 11.9	T=	4.455	/ .3
LAT= 12.0	U=	6.123	/ 6.6	V=	3.125	/ 8.9	W=	.138032	/ .0	T=	4.311	/ .4
LAT= 18.0	U=	6.348	/ 6.7	V=	4.424	/ 9.0	W=	.122476	/ .1	T=	4.083	/ .6
LAT= 24.0	U=	6.639	/ 6.8	V=	5.470	/ 9.2	W=	.103105	/ .3	T=	3.779	/ .9
LAT= 30.0	U=	6.910	/ 6.9	V=	6.243	/ 9.4	W=	.082171	/ .5	T=	3.406	/ 1.2
LAT= 36.0	U=	7.137	/ 7.0	V=	6.831	/ 9.7	W=	.061974	/ .7	T=	3.002	/ 1.4
LAT= 42.0	U=	7.177	/ 7.2	V=	6.924	/ 9.9	W=	.044186	/ .9	T=	2.577	/ 1.7
LAT= 48.0	U=	6.937	/ 7.3	V=	6.835	/ 10.1	W=	.029514	/ 1.1	T=	2.130	/ 2.0
LAT= 54.0	U=	6.480	/ 7.5	V=	6.493	/ 10.3	W=	.018307	/ 1.4	T=	1.681	/ 2.2
LAT= 60.0	U=	5.839	/ 7.6	V=	5.915	/ 10.5	W=	.010988	/ 1.7	T=	1.227	/ 2.4
LAT= 66.0	U=	5.112	/ 7.8	V=	5.094	/ 10.7	W=	.006987	/ 2.0	T=	.863	/ 2.6
LAT= 72.0	U=	4.075	/ 7.8	V=	4.002	/ 10.8	W=	.003988	/ 1.6	T=	.496	/ 2.6
LAT= 78.0	U=	2.738	/ 7.9	V=	2.713	/ 11.0	W=	.001307	/ 11.2	T=	.208	/ 2.8
LAT= 84.0	U=	1.364	/ 8.0	V=	1.378	/ 11.3	W=	.001169	/ 8.3	T=	.056	/ 3.0

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 600 K

Z= 304.762 KM

LAT= 0.0	U=	6.133	/	6.5	V=	0.000	/	4.4	W=	.180757	/	11.5	T=	4.636 / .3
LAT= 6.0	U=	6.143	/	6.5	V=	1.635	/	8.7	W=	.176524	/	11.6	T=	4.580 / .3
LAT= 12.0	U=	6.262	/	6.5	V=	3.155	/	8.8	W=	.165474	/	11.6	T=	4.433 / .4
LAT= 18.0	U=	6.496	/	6.6	V=	4.476	/	9.0	W=	.148663	/	11.7	T=	4.200 / .6
LAT= 24.0	U=	6.801	/	6.7	V=	5.546	/	9.2	W=	.127097	/	11.9	T=	3.890 / .9
LAT= 30.0	U=	7.086	/	6.9	V=	6.344	/	9.4	W=	.103195	/	.0	T=	3.508 / 1.1
LAT= 36.0	U=	7.326	/	7.0	V=	6.853	/	9.6	W=	.079806	/	.2	T=	3.094 / 1.4
LAT= 42.0	U=	7.374	/	7.2	V=	7.063	/	9.9	W=	.058979	/	.4	T=	2.657 / 1.7
LAT= 48.0	U=	7.130	/	7.3	V=	6.983	/	10.1	W=	.041404	/	.5	T=	2.196 / 2.0
LAT= 54.0	U=	6.661	/	7.5	V=	6.643	/	10.3	W=	.027316	/	.7	T=	1.733 / 2.2
LAT= 60.0	U=	6.001	/	7.6	V=	6.059	/	10.5	W=	.017280	/	.8	T=	1.265 / 2.4
LAT= 66.0	U=	5.254	/	7.7	V=	5.225	/	10.7	W=	.011195	/	1.1	T=	.890 / 2.6
LAT= 72.0	U=	4.186	/	7.8	V=	4.109	/	10.8	W=	.006895	/	.8	T=	.512 / 2.6
LAT= 78.0	U=	2.811	/	7.9	V=	2.785	/	11.0	W=	.002875	/	11.5	T=	.215 / 2.8
LAT= 84.0	U=	1.401	/	8.0	V=	1.414	/	11.3	W=	.001273	/	8.7	T=	.058 / 3.0

Z= 336.754 KM

LAT= 0.0	U=	6.262	/	6.4	V=	0.000	/	4.4	W=	.215110	/	11.3	T=	4.763 / .3
LAT= 6.0	U=	6.273	/	6.5	V=	1.656	/	8.7	W=	.210617	/	11.3	T=	4.705 / .3
LAT= 12.0	U=	6.398	/	6.5	V=	3.199	/	8.8	W=	.198875	/	11.3	T=	4.555 / .4
LAT= 18.0	U=	6.639	/	6.6	V=	4.544	/	9.0	W=	.180630	/	11.4	T=	4.317 / .6
LAT= 24.0	U=	6.954	/	6.7	V=	5.638	/	9.2	W=	.156647	/	11.6	T=	3.998 / .9
LAT= 30.0	U=	7.249	/	6.8	V=	6.456	/	9.4	W=	.129495	/	11.7	T=	3.607 / 1.1
LAT= 36.0	U=	7.496	/	7.0	V=	6.982	/	9.6	W=	.102588	/	11.9	T=	3.180 / 1.4
LAT= 42.0	U=	7.546	/	7.2	V=	7.202	/	9.8	W=	.078295	/	.0	T=	2.732 / 1.7
LAT= 48.0	U=	7.298	/	7.3	V=	7.127	/	10.1	W=	.057264	/	.1	T=	2.259 / 2.0
LAT= 54.0	U=	6.819	/	7.4	V=	6.784	/	10.3	W=	.039708	/	.2	T=	1.783 / 2.2
LAT= 60.0	U=	6.142	/	7.6	V=	6.191	/	10.5	W=	.026215	/	.4	T=	1.302 / 2.4
LAT= 66.0	U=	5.378	/	7.7	V=	5.342	/	10.7	W=	.017378	/	.6	T=	.916 / 2.6
LAT= 72.0	U=	4.282	/	7.8	V=	4.202	/	10.8	W=	.010753	/	.4	T=	.526 / 2.6
LAT= 78.0	U=	2.876	/	7.8	V=	2.849	/	11.0	W=	.004673	/	11.5	T=	.222 / 2.8
LAT= 84.0	U=	1.433	/	8.0	V=	1.447	/	11.3	W=	.001455	/	9.2	T=	.060 / 3.0

Z= 368.753 KM

LAT= 0.0	U=	6.389	/	6.4	V=	0.000	/	4.3	W=	.254368	/	11.0	T=	4.882 / .3
LAT= 6.0	U=	6.401	/	6.4	V=	1.683	/	8.7	W=	.249576	/	11.1	T=	4.823 / .3
LAT= 12.0	U=	6.529	/	6.5	V=	3.252	/	8.8	W=	.237034	/	11.1	T=	4.670 / .4
LAT= 18.0	U=	6.776	/	6.6	V=	4.623	/	9.0	W=	.217175	/	11.2	T=	4.426 / .6
LAT= 24.0	U=	7.099	/	6.7	V=	5.739	/	9.2	W=	.190541	/	11.4	T=	4.100 / .9
LAT= 30.0	U=	7.400	/	6.8	V=	6.576	/	9.4	W=	.159839	/	11.5	T=	3.699 / 1.1
LAT= 36.0	U=	7.654	/	7.0	V=	7.113	/	9.6	W=	.129050	/	11.6	T=	3.262 / 1.4
LAT= 42.0	U=	7.705	/	7.1	V=	7.340	/	9.8	W=	.100834	/	11.8	T=	2.802 / 1.7
LAT= 48.0	U=	7.452	/	7.3	V=	7.268	/	10.1	W=	.075798	/	11.9	T=	2.317 / 2.0
LAT= 54.0	U=	6.963	/	7.4	V=	6.920	/	10.3	W=	.054214	/	.0	T=	1.829 / 2.2
LAT= 60.0	U=	6.272	/	7.6	V=	6.318	/	10.5	W=	.036699	/	.1	T=	1.336 / 2.4
LAT= 66.0	U=	5.493	/	7.7	V=	5.452	/	10.7	W=	.024664	/	.3	T=	.940 / 2.6
LAT= 72.0	U=	4.373	/	7.8	V=	4.289	/	10.8	W=	.015157	/	.2	T=	.540 / 2.6
LAT= 78.0	U=	2.936	/	7.8	V=	2.907	/	11.0	W=	.006645	/	11.6	T=	.227 / 2.8
LAT= 84.0	U=	1.464	/	8.0	V=	1.476	/	11.3	W=	.001728	/	9.6	T=	.062 / 3.0

Z= 400.753 KM

LAT= 0.0	U=	6.514	/	6.4	V=	0.000	/	4.3	W=	.296078	/	10.9	T=	4.994 / .3
LAT= 6.0	U=	6.526	/	6.4	V=	1.713	/	8.7	W=	.290980	/	10.9	T=	4.934 / .3
LAT= 12.0	U=	6.657	/	6.5	V=	3.310	/	8.8	W=	.277610	/	10.9	T=	4.777 / .4
LAT= 18.0	U=	6.910	/	6.6	V=	4.707	/	8.9	W=	.256090	/	11.1	T=	4.527 / .6
LAT= 24.0	U=	7.240	/	6.7	V=	5.845	/	9.1	W=	.226750	/	11.2	T=	4.194 / .9
LAT= 30.0	U=	7.548	/	6.8	V=	6.699	/	9.4	W=	.192405	/	11.3	T=	3.783 / 1.1
LAT= 36.0	U=	7.806	/	7.0	V=	7.249	/	9.6	W=	.157586	/	11.5	T=	3.337 / 1.4
LAT= 42.0	U=	7.859	/	7.1	V=	7.480	/	9.8	W=	.125214	/	11.6	T=	2.867 / 1.7
LAT= 48.0	U=	7.601	/	7.3	V=	7.408	/	10.1	W=	.095869	/	11.7	T=	2.370 / 2.0
LAT= 54.0	U=	7.102	/	7.4	V=	7.055	/	10.3	W=	.069936	/	11.9	T=	1.871 / 2.2
LAT= 60.0	U=	6.396	/	7.6	V=	6.441	/	10.5	W=	.048074	/	.0	T=	1.366 / 2.4
LAT= 66.0	U=	5.601	/	7.7	V=	5.560	/	10.7	W=	.032581	/	.2	T=	.961 / 2.6
LAT= 72.0	U=	4.459	/	7.8	V=	4.374	/	10.8	W=	.019877	/	.1	T=	.552 / 2.6
LAT= 78.0	U=	2.994	/	7.8	V=	2.965	/	11.0	W=	.008723	/	11.6	T=	.232 / 2.8
LAT= 84.0	U=	1.493	/	8.0	V=	1.505	/	11.3	W=	.002073	/	10.0	T=	.063 / 3.0

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 100.017 KM

LAT= 0.0	U=	2.621 /	.8	V=	0.000 /	11.7	W=	.005962 /	5.7	T=	1.000 /	6.0
LAT= 6.0	U=	2.660 /	.8	V=	.930 /	3.8	W=	.005738 /	5.7	T=	.976 /	6.0
LAT= 12.0	U=	2.771 /	.8	V=	1.778 /	3.8	W=	.005117 /	5.7	T=	.910 /	6.1
LAT= 18.0	U=	2.916 /	.8	V=	2.481 /	3.8	W=	.004194 /	5.7	T=	.810 /	6.1
LAT= 24.0	U=	3.061 /	.8	V=	3.001 /	3.8	W=	.003141 /	5.8	T=	.691 /	6.2
LAT= 30.0	U=	3.164 /	.8	V=	3.323 /	3.8	W=	.002123 /	6.1	T=	.565 /	6.3
LAT= 36.0	U=	3.195 /	.9	V=	3.453 /	3.9	W=	.001291 /	6.5	T=	.439 /	6.4
LAT= 42.0	U=	3.138 /	.9	V=	3.411 /	3.9	W=	.000750 /	7.2	T=	.323 /	6.5
LAT= 48.0	U=	2.985 /	.9	V=	3.221 /	3.9	W=	.000505 /	8.3	T=	.222 /	6.6
LAT= 54.0	U=	2.738 /	.8	V=	2.913 /	3.8	W=	.000412 /	9.3	T=	.141 /	6.7
LAT= 60.0	U=	2.405 /	.8	V=	2.517 /	3.8	W=	.000324 /	9.7	T=	.080 /	6.7
LAT= 66.0	U=	1.988 /	.8	V=	2.061 /	3.8	W=	.000225 /	10.7	T=	.038 /	7.3
LAT= 72.0	U=	1.551 /	.8	V=	1.563 /	3.8	W=	.000128 /	10.8	T=	.018 /	7.1
LAT= 78.0	U=	1.060 /	.8	V=	1.038 /	3.8	W=	.000145 /	9.7	T=	.014 /	6.5
LAT= 84.0	U=	.519 /	.8	V=	.500 /	3.9	W=	.000042 /	9.3	T=	.005 /	6.0

Z= 103.521 KM

LAT= 0.0	U=	3.070 /	.7	V=	0.000 /	5.4	W=	.009045 /	5.5	T=	1.121 /	5.5
LAT= 6.0	U=	3.110 /	.7	V=	1.042 /	3.6	W=	.008745 /	5.5	T=	1.038 /	5.6
LAT= 12.0	U=	3.224 /	.7	V=	2.002 /	3.6	W=	.007910 /	5.5	T=	1.033 /	5.6
LAT= 18.0	U=	3.377 /	.7	V=	2.808 /	3.6	W=	.006661 /	5.6	T=	.930 /	5.7
LAT= 24.0	U=	3.534 /	.7	V=	3.422 /	3.7	W=	.005207 /	5.7	T=	.799 /	5.7
LAT= 30.0	U=	3.654 /	.8	V=	3.824 /	3.7	W=	.003740 /	5.9	T=	.651 /	5.9
LAT= 36.0	U=	3.706 /	.8	V=	4.016 /	3.8	W=	.002427 /	6.0	T=	.500 /	6.0
LAT= 42.0	U=	3.666 /	.8	V=	4.007 /	3.8	W=	.001378 /	6.3	T=	.359 /	6.1
LAT= 48.0	U=	3.515 /	.8	V=	3.820 /	3.8	W=	.000631 /	6.6	T=	.236 /	6.3
LAT= 54.0	U=	3.249 /	.8	V=	3.480 /	3.8	W=	.000167 /	7.4	T=	.141 /	6.6
LAT= 60.0	U=	2.873 /	.8	V=	3.020 /	3.8	W=	.000073 /	11.4	T=	.073 /	6.8
LAT= 66.0	U=	2.386 /	.9	V=	2.479 /	3.8	W=	.000200 /	.6	T=	.036 /	8.0
LAT= 72.0	U=	1.864 /	.8	V=	1.883 /	3.8	W=	.000167 /	1.1	T=	.016 /	8.5
LAT= 78.0	U=	1.276 /	.8	V=	1.250 /	3.8	W=	.000082 /	10.9	T=	.012 /	7.1
LAT= 84.0	U=	.626 /	.8	V=	.603 /	3.9	W=	.000039 /	9.3	T=	.005 /	6.1

Z= 107.177 KM

LAT= 0.0	U=	3.647 /	.6	V=	0.000 /	5.3	W=	.013668 /	5.3	T=	1.404 /	4.8
LAT= 6.0	U=	3.688 /	.6	V=	1.131 /	3.5	W=	.013294 /	5.3	T=	1.378 /	4.8
LAT= 12.0	U=	3.810 /	.6	V=	2.205 /	3.5	W=	.012239 /	5.4	T=	1.300 /	4.8
LAT= 18.0	U=	3.985 /	.6	V=	3.165 /	3.5	W=	.010629 /	5.4	T=	1.173 /	4.9
LAT= 24.0	U=	4.182 /	.6	V=	3.955 /	3.5	W=	.008677 /	5.5	T=	1.004 /	4.9
LAT= 30.0	U=	4.357 /	.6	V=	4.526 /	3.5	W=	.006594 /	5.6	T=	.803 /	5.0
LAT= 36.0	U=	4.459 /	.6	V=	4.841 /	3.6	W=	.004601 /	5.6	T=	.592 /	5.1
LAT= 42.0	U=	4.444 /	.6	V=	4.889 /	3.6	W=	.002883 /	5.6	T=	.394 /	5.3
LAT= 48.0	U=	4.278 /	.6	V=	4.683 /	3.6	W=	.001569 /	5.4	T=	.229 /	5.6
LAT= 54.0	U=	3.954 /	.6	V=	4.261 /	3.6	W=	.000719 /	4.8	T=	.112 /	6.1
LAT= 60.0	U=	3.481 /	.6	V=	3.677 /	3.6	W=	.000411 /	3.4	T=	.045 /	7.0
LAT= 66.0	U=	2.867 /	.7	V=	2.992 /	3.6	W=	.000358 /	2.0	T=	.042 /	9.2
LAT= 72.0	U=	2.220 /	.6	V=	2.249 /	3.6	W=	.000331 /	1.8	T=	.032 /	10.0
LAT= 78.0	U=	1.514 /	.6	V=	1.478 /	3.7	W=	.000085 /	1.4	T=	.008 /	8.7
LAT= 84.0	U=	.741 /	.7	V=	.701 /	3.7	W=	.000024 /	8.7	T=	.005 /	5.7

Z= 111.019 KM

LAT= 0.0	U=	4.470 /	.2	V=	0.000 /	5.1	W=	.020797 /	5.1	T=	2.000 /	3.8
LAT= 6.0	U=	4.512 /	.2	V=	1.354 /	3.2	W=	.020279 /	5.1	T=	2.149 /	3.8
LAT= 12.0	U=	4.636 /	.2	V=	2.640 /	3.1	W=	.018606 /	5.1	T=	1.996 /	3.8
LAT= 18.0	U=	4.812 /	.2	V=	3.790 /	3.1	W=	.016528 /	5.1	T=	1.756 /	3.8
LAT= 24.0	U=	5.010 /	.2	V=	4.730 /	3.1	W=	.013721 /	5.2	T=	1.461 /	3.9
LAT= 30.0	U=	5.174 /	.2	V=	5.397 /	3.1	W=	.010673 /	5.2	T=	1.119 /	3.9
LAT= 36.0	U=	5.252 /	.2	V=	5.743 /	3.1	W=	.007701 /	5.1	T=	.777 /	4.0
LAT= 42.0	U=	5.190 /	.2	V=	5.758 /	3.1	W=	.005085 /	5.0	T=	.476 /	4.1
LAT= 48.0	U=	4.952 /	.2	V=	5.464 /	3.2	W=	.003024 /	4.8	T=	.240 /	4.2
LAT= 54.0	U=	4.532 /	.2	V=	4.920 /	3.2	W=	.001595 /	4.4	T=	.080 /	4.3
LAT= 60.0	U=	3.956 /	.2	V=	4.138 /	3.2	W=	.000870 /	3.6	T=	.010 /	4.1
LAT= 66.0	U=	3.217 /	.3	V=	3.360 /	3.2	W=	.000472 /	2.5	T=	.06 /	5.5
LAT= 72.0	U=	2.472 /	.2	V=	2.518 /	3.3	W=	.000403 /	1.6	T=	.052 /	5.6
LAT= 78.0	U=	1.687 /	.2	V=	1.686 /	3.3	W=	.000136 /	2.3	T=	.011 /	9.6
LAT= 84.0	U=	.821 /	.3	V=	.760 /	3.4	W=	.000022 /	4.9	T=	.004 /	4.4

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 115.091 KM

LAT= 0.0	U=	5.231 / 11.7	V=	0.000 /	4.8	W=	.030056 /	4.8	T=	3.565 /	2.8
LAT= 6.0	U=	5.263 / 11.7	V=	1.537 /	2.5	W=	.029305 /	4.8	T=	3.463 /	2.9
LAT= 12.0	U=	5.359 / 11.7	V=	3.038 /	2.5	W=	.027169 /	4.8	T=	3.175 /	2.9
LAT= 18.0	U=	5.491 / 11.7	V=	4.318 /	2.5	W=	.023693 /	4.8	T=	2.740 /	2.9
LAT= 24.0	U=	5.625 / 11.6	V=	5.327 /	2.5	W=	.019603 /	4.8	T=	2.215 /	2.9
LAT= 30.0	U=	5.715 / 11.6	V=	5.999 /	2.5	W=	.015560 /	4.7	T=	1.663 /	2.9
LAT= 36.0	U=	5.711 / 11.6	V=	6.303 /	2.5	W=	.011362 /	4.7	T=	1.143 /	3.0
LAT= 42.0	U=	5.565 / 11.6	V=	6.238 /	2.5	W=	.007654 /	4.6	T=	.701 /	3.0
LAT= 48.0	U=	5.248 / 11.6	V=	5.851 /	2.6	W=	.004674 /	4.5	T=	.382 /	3.1
LAT= 54.0	U=	4.755 / 11.6	V=	5.212 /	2.6	W=	.002509 /	4.3	T=	.135 /	3.4
LAT= 60.0	U=	4.122 / 11.6	V=	4.406 /	2.7	W=	.001237 /	3.9	T=	.015 /	4.4
LAT= 66.0	U=	3.322 / 11.7	V=	3.521 /	2.7	W=	.000365 /	3.0	T=	.063 /	8.2
LAT= 72.0	U=	2.552 / 11.7	V=	2.608 /	2.7	W=	.000265 /	1.7	T=	.051 /	8.6
LAT= 78.0	U=	1.742 / 11.7	V=	1.665 /	2.8	W=	.000156 /	2.9	T=	.009 /	9.7
LAT= 84.0	U=	.845 / 11.8	V=	.771 /	2.9	W=	.000069 /	3.6	T=	.005 /	1.8

Z= 119.451 KM

LAT= 0.0	U=	5.734 / 11.0	V=	0.000 /	4.4	W=	.040104 /	4.4	T=	5.016 /	2.1
LAT= 6.0	U=	5.750 / 11.0	V=	1.711 /	1.7	W=	.039087 /	4.4	T=	4.865 /	2.1
LAT= 12.0	U=	5.804 / 11.0	V=	3.296 /	1.7	W=	.036209 /	4.4	T=	4.445 /	2.1
LAT= 18.0	U=	5.874 / 11.0	V=	4.642 /	1.7	W=	.031827 /	4.4	T=	3.819 /	2.2
LAT= 24.0	U=	5.930 / 11.0	V=	5.659 /	1.7	W=	.026495 /	4.4	T=	3.077 /	2.2
LAT= 30.0	U=	5.936 / 10.9	V=	6.294 /	1.8	W=	.020768 /	4.4	T=	2.312 /	2.3
LAT= 36.0	U=	5.851 / 10.9	V=	6.550 /	1.8	W=	.015274 /	4.4	T=	1.608 /	2.3
LAT= 42.0	U=	5.625 / 10.9	V=	6.390 /	1.8	W=	.010406 /	4.4	T=	1.022 /	2.5
LAT= 48.0	U=	5.264 / 10.9	V=	5.934 /	1.9	W=	.006457 /	4.4	T=	.577 /	2.6
LAT= 54.0	U=	4.739 / 11.0	V=	5.243 /	2.0	W=	.003544 /	4.4	T=	.282 /	3.1
LAT= 60.0	U=	4.091 / 11.0	V=	4.403 /	2.0	W=	.001684 /	4.3	T=	.113 /	3.7
LAT= 66.0	U=	3.286 / 11.1	V=	3.502 /	2.1	W=	.000510 /	5.4	T=	.096 /	5.7
LAT= 72.0	U=	2.529 / 11.1	V=	2.586 /	2.1	W=	.000150 /	5.8	T=	.057 /	6.1
LAT= 78.0	U=	1.723 / 11.1	V=	1.666 /	2.2	W=	.000176 /	4.0	T=	.006 /	4.1
LAT= 84.0	U=	.833 / 11.2	V=	.757 /	2.4	W=	.000108 /	3.6	T=	.009 /	1.0

Z= 124.175 KM

LAT= 0.0	U=	6.091 / 10.4	V=	0.000 /	4.1	W=	.049979 /	4.0	T=	6.068 /	1.5
LAT= 6.0	U=	6.090 / 10.4	V=	1.830 /	.9	W=	.048719 /	4.0	T=	5.889 /	1.5
LAT= 12.0	U=	6.108 / 10.3	V=	3.508 /	.9	W=	.045162 /	4.0	T=	5.392 /	1.6
LAT= 18.0	U=	6.128 / 10.3	V=	4.901 /	1.0	W=	.039746 /	4.1	T=	4.653 /	1.6
LAT= 24.0	U=	6.126 / 10.3	V=	5.916 /	1.0	W=	.033154 /	4.1	T=	3.778 /	1.7
LAT= 30.0	U=	6.070 / 10.2	V=	6.509 /	1.1	W=	.026100 /	4.1	T=	2.878 /	1.8
LAT= 36.0	U=	5.929 / 10.2	V=	6.682 /	1.1	W=	.019296 /	4.1	T=	2.053 /	1.9
LAT= 42.0	U=	5.670 / 10.2	V=	6.479 /	1.2	W=	.013302 /	4.2	T=	1.369 /	2.1
LAT= 48.0	U=	5.267 / 10.3	V=	5.972 /	1.2	W=	.008433 /	4.3	T=	.847 /	2.4
LAT= 54.0	U=	4.727 / 10.3	V=	5.251 /	1.3	W=	.004864 /	4.6	T=	.499 /	2.9
LAT= 60.0	U=	4.077 / 10.4	V=	4.397 /	1.4	W=	.002477 /	4.8	T=	.273 /	3.4
LAT= 66.0	U=	3.285 / 10.5	V=	3.491 /	1.5	W=	.001344 /	6.0	T=	.208 /	4.4
LAT= 72.0	U=	2.533 / 10.5	V=	2.576 /	1.5	W=	.000713 /	6.3	T=	.115 /	4.5
LAT= 78.0	U=	1.717 / 10.5	V=	1.659 /	1.6	W=	.000276 /	4.9	T=	.029 /	3.5
LAT= 84.0	U=	.829 / 10.6	V=	.757 /	1.8	W=	.000132 /	3.4	T=	.011 /	.7

Z= 129.367 KM

LAT= 0.0	U=	6.365 / 9.8	V=	0.000 /	3.6	W=	.059079 /	3.7	T=	6.595 /	1.1
LAT= 6.0	U=	6.354 / 9.8	V=	1.933 /	.2	W=	.057622 /	3.7	T=	6.411 /	1.1
LAT= 12.0	U=	6.355 / 9.7	V=	3.693 /	.2	W=	.053510 /	3.7	T=	5.902 /	1.2
LAT= 18.0	U=	6.356 / 9.7	V=	5.131 /	.3	W=	.047227 /	3.7	T=	5.143 /	1.2
LAT= 24.0	U=	6.326 / 9.6	V=	6.152 /	.3	W=	.039534 /	3.7	T=	4.236 /	1.3
LAT= 30.0	U=	6.241 / 9.6	V=	6.719 /	.4	W=	.031268 /	3.8	T=	3.296 /	1.5
LAT= 36.0	U=	6.073 / 9.6	V=	6.852 /	.4	W=	.023293 /	3.9	T=	2.428 /	1.7
LAT= 42.0	U=	5.792 / 9.6	V=	6.609 /	.5	W=	.016284 /	4.0	T=	1.703 /	1.9
LAT= 48.0	U=	5.369 / 9.6	V=	6.074 /	.6	W=	.010603 /	4.3	T=	1.136 /	2.2
LAT= 54.0	U=	4.821 / 9.7	V=	5.337 /	.7	W=	.006491 /	4.6	T=	.742 /	2.7
LAT= 60.0	U=	4.164 / 9.7	V=	4.476 /	.8	W=	.003629 /	5.0	T=	.455 /	3.1
LAT= 66.0	U=	3.383 / 9.9	V=	3.561 /	.8	W=	.002460 /	5.9	T=	.342 /	3.7
LAT= 72.0	U=	2.614 / 9.9	V=	2.633 /	.9	W=	.001391 /	6.1	T=	.188 /	3.7
LAT= 78.0	U=	1.782 / 9.9	V=	1.701 /	1.0	W=	.000433 /	5.1	T=	.052 /	3.2
LAT= 84.0	U=	.851 / 10.0	V=	.783 /	1.2	W=	.000145 /	3.1	T=	.009 /	.6

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 135.169 KM

LAT= 0.0	U=	6.546 /	9.2	V=	0.000 /	9.5	W=	.067070 /	3.2	T=	6.710 /	.7
LAT= 6.0	U=	6.533 /	9.2	V=	1.996 /	11.6	W=	.065453 /	3.3	T=	6.537 /	.7
LAT= 12.0	U=	6.542 /	9.1	V=	3.809 /	11.6	W=	.060891 /	3.3	T=	6.060 /	.8
LAT= 18.0	U=	6.559 /	9.1	V=	5.282 /	11.6	W=	.053893 /	3.3	T=	5.345 /	.9
LAT= 24.0	U=	6.541 /	9.0	V=	6.318 /	11.7	W=	.045282 /	3.4	T=	4.482 /	1.0
LAT= 30.0	U=	6.456 /	9.0	V=	6.866 /	11.8	W=	.035996 /	3.5	T=	3.574 /	1.2
LAT= 36.0	U=	6.284 /	8.9	V=	7.014 /	11.8	W=	.027047 /	3.7	T=	2.723 /	1.4
LAT= 42.0	U=	5.995 /	9.0	V=	6.766 /	11.9	W=	.019211 /	3.9	T=	1.996 /	1.7
LAT= 48.0	U=	5.558 /	9.0	V=	6.229 /	0.0	W=	.012870 /	4.2	T=	1.407 /	2.0
LAT= 54.0	U=	5.000 /	9.1	V=	5.496 /	.1	W=	.008313 /	4.6	T=	.975 /	2.4
LAT= 60.0	U=	4.333 /	9.2	V=	4.634 /	.2	W=	.004985 /	5.0	T=	.631 /	2.8
LAT= 66.0	U=	3.562 /	9.3	V=	3.706 /	.3	W=	.003669 /	5.8	T=	.472 /	3.2
LAT= 72.0	U=	2.758 /	9.4	V=	2.752 /	.4	W=	.002080 /	5.8	T=	.256 /	3.2
LAT= 78.0	U=	1.846 /	9.4	V=	1.784 /	.5	W=	.000593 /	5.1	T=	.074 /	3.0
LAT= 84.0	U=	.893 /	9.5	V=	.831 /	.8	W=	.000158 /	2.5	T=	.006 /	.6

Z= 141.772 KM

LAT= 0.0	U=	6.622 /	8.6	V=	0.000 /	8.9	W=	.074145 /	2.8	T=	6.550 /	.4
LAT= 6.0	U=	6.614 /	8.6	V=	2.003 /	11.0	W=	.072366 /	2.8	T=	6.397 /	.4
LAT= 12.0	U=	6.650 /	8.6	V=	3.824 /	11.0	W=	.067364 /	2.9	T=	5.975 /	.4
LAT= 18.0	U=	6.710 /	8.5	V=	5.309 /	11.1	W=	.059701 /	3.0	T=	5.340 /	.6
LAT= 24.0	U=	6.724 /	8.5	V=	6.363 /	11.1	W=	.050278 /	3.1	T=	4.561 /	.7
LAT= 30.0	U=	6.655 /	8.4	V=	6.956 /	11.2	W=	.040146 /	3.3	T=	3.726 /	.9
LAT= 36.0	U=	6.488 /	8.4	V=	7.112 /	11.3	W=	.030444 /	3.5	T=	2.930 /	1.2
LAT= 42.0	U=	6.198 /	8.4	V=	6.893 /	11.4	W=	.022003 /	3.7	T=	2.230 /	1.5
LAT= 48.0	U=	5.752 /	8.5	V=	6.384 /	11.5	W=	.015168 /	4.1	T=	1.636 /	1.8
LAT= 54.0	U=	5.190 /	8.6	V=	5.671 /	11.6	W=	.010242 /	4.5	T=	1.176 /	2.2
LAT= 60.0	U=	4.517 /	8.7	V=	4.818 /	11.7	W=	.006448 /	4.9	T=	.786 /	2.5
LAT= 66.0	U=	3.758 /	8.8	V=	3.862 /	11.8	W=	.004897 /	5.5	T=	.582 /	2.8
LAT= 72.0	U=	2.918 /	8.9	V=	2.897 /	11.9	W=	.002755 /	5.5	T=	.314 /	2.7
LAT= 78.0	U=	1.943 /	8.9	V=	1.884 /	0.0	W=	.000764 /	4.9	T=	.095 /	2.6
LAT= 84.0	U=	.939 /	9.0	V=	.890 /	.4	W=	.000164 /	1.9	T=	.005 /	1.9

Z= 149.425 KM

LAT= 0.0	U=	6.590 /	8.1	V=	0.000 /	8.4	W=	.080921 /	2.4	T=	6.220 /	0.0
LAT= 6.0	U=	6.587 /	8.1	V=	1.954 /	10.4	W=	.078942 /	2.4	T=	6.088 /	0.0
LAT= 12.0	U=	6.648 /	8.1	V=	3.738 /	10.5	W=	.073416 /	2.5	T=	5.728 /	.1
LAT= 18.0	U=	6.748 /	8.0	V=	5.206 /	10.5	W=	.065021 /	2.6	T=	5.184 /	.3
LAT= 24.0	U=	6.790 /	8.0	V=	6.266 /	10.6	W=	.054793 /	2.7	T=	4.509 /	.4
LAT= 30.0	U=	6.735 /	8.0	V=	6.886 /	10.7	W=	.043911 /	2.9	T=	3.769 /	.7
LAT= 36.0	U=	6.575 /	8.0	V=	7.085 /	10.8	W=	.033618 /	3.2	T=	3.050 /	.9
LAT= 42.0	U=	6.294 /	8.0	V=	6.915 /	10.9	W=	.024749 /	3.5	T=	2.397 /	1.2
LAT= 48.0	U=	5.852 /	8.1	V=	6.453 /	11.0	W=	.017552 /	3.9	T=	1.813 /	1.5
LAT= 54.0	U=	5.298 /	8.2	V=	5.779 /	11.1	W=	.012308 /	4.3	T=	1.337 /	1.9
LAT= 60.0	U=	4.636 /	8.2	V=	4.951 /	11.3	W=	.008040 /	4.7	T=	.911 /	2.1
LAT= 66.0	U=	3.904 /	8.4	V=	4.019 /	11.4	W=	.006170 /	5.2	T=	.671 /	2.4
LAT= 72.0	U=	3.043 /	8.4	V=	3.016 /	11.5	W=	.003453 /	5.1	T=	.362 /	2.3
LAT= 78.0	U=	2.023 /	8.5	V=	1.971 /	11.6	W=	.000984 /	4.8	T=	.116 /	2.3
LAT= 84.0	U=	.980 /	8.6	V=	.946 /	0.0	W=	.000133 /	1.6	T=	.009 /	2.6

Z= 158.420 KM

LAT= 0.0	U=	6.438 /	7.6	V=	0.000 /	6.2	W=	.067929 /	1.9	T=	5.803 /	11.7
LAT= 6.0	U=	6.433 /	7.6	V=	1.864 /	9.9	W=	.065706 /	2.0	T=	5.693 /	11.7
LAT= 12.0	U=	6.496 /	7.6	V=	3.575 /	9.9	W=	.059563 /	2.1	T=	5.393 /	11.8
LAT= 18.0	U=	6.607 /	7.5	V=	4.997 /	10.0	W=	.050358 /	2.2	T=	4.939 /	0.0
LAT= 24.0	U=	6.659 /	7.5	V=	6.041 /	10.1	W=	.039312 /	2.4	T=	4.369 /	.2
LAT= 30.0	U=	6.611 /	7.5	V=	6.674 /	10.2	W=	.027733 /	2.6	T=	3.731 /	.4
LAT= 36.0	U=	6.471 /	7.5	V=	6.910 /	10.3	W=	.016940 /	2.9	T=	3.098 /	.7
LAT= 42.0	U=	6.220 /	7.6	V=	6.792 /	10.4	W=	.007718 /	3.2	T=	2.501 /	1.0
LAT= 48.0	U=	5.807 /	7.7	V=	6.338 /	10.6	W=	.002199 /	3.6	T=	1.939 /	1.3
LAT= 54.0	U=	5.288 /	7.8	V=	5.771 /	10.7	W=	.014633 /	4.0	T=	1.458 /	1.6
LAT= 60.0	U=	4.662 /	7.9	V=	4.990 /	10.9	W=	.009850 /	4.4	T=	1.010 /	1.8
LAT= 66.0	U=	3.979 /	8.0	V=	4.085 /	11.0	W=	.007584 /	4.8	T=	.740 /	2.0
LAT= 72.0	U=	3.117 /	8.0	V=	3.085 /	11.1	W=	.004220 /	4.8	T=	.401 /	1.9
LAT= 78.0	U=	2.072 /	8.1	V=	2.029 /	11.2	W=	.001275 /	4.6	T=	.136 /	2.0
LAT= 84.0	U=	1.008 /	8.2	V=	.990 /	11.7	W=	.000046 /	2.6	T=	.017 /	2.4

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 181.310 KM

LAT= 0.0	U=	5.788	/	6.7	V=	0.000	/	.5	W=	.132[illegible]	/	1.1	T=	5.021	/	11.2
LAT= 6.0	U=	5.771	/	6.7	V=	1.[illegible]	/	[illegible].0	W=	.0[illegible]	/	1.1	T=	4.947	/	11.3
LAT= 12.0	U=	5.813	/	6.7	V=	3.119	/	9.0	W=	.092[illegible]	/	1.2	T=	4.748	/	11.4
LAT= 18.0	U=	5.922	/	6.7	V=	4.387	/	9.1	W=	.081[illegible]	/	1.4	T=	4.444	/	11.6
LAT= 24.0	U=	6.005	/	6.7	V=	5.389	/	9.2	W=	.069225	/	1.6	T=	4.057	/	11.8
LAT= 30.0	U=	6.018	/	6.7	V=	5.[illegible]	/	9.4	W=	.05[illegible]	/	1.8	T=	3.586	/	.1
LAT= 36.0	U=	5.984	/	6.8	V=	6.2[illegible]	/	9.5	W=	.044827	/	2.2	T=	3.100	/	.4
LAT= 42.0	U=	5.850	/	6.9	V=	6.2[illegible]	/	9.7	W=	.034302	/	2.6	T=	2.609	/	.6
LAT= 48.0	U=	5.538	/	6.9	V=	5.[illegible]	/	9.8	W=	.024496	/	3.0	T=	2.076	/	.9
LAT= 54.0	U=	5.120	/	7.1	V=	5.[illegible]	/	10.0	W=	.015[illegible]	/	3.4	T=	1.627	/	1.1
LAT= 60.0	U=	4.588	/	7.2	V=	4.[illegible]	/	10.1	W=	.014362	/	3.9	T=	1.148	/	1.3
LAT= 66.0	U=	4.019	/	7.3	V=	4.065	/	10.3	W=	.010776	/	4.1	T=	.833	/	1.4
LAT= 72.0	U=	3.174	/	7.3	V=	3.[illegible]	/	10.4	W=	.005844	/	4.1	T=	.455	/	1.4
LAT= 78.0	U=	2.121	/	7.4	V=	2.090	/	10.6	W=	.001916	/	4.4	T=	.174	/	1.5
LAT= 84.0	U=	1.041	/	7.6	V=	1.050	/	11.0	W=	.000286	/	6.3	T=	.034	/	1.9

Z= 209.865 KM

LAT= 0.0	U=	5.029	/	5.9	V=	0.000	/	4.3	W=	.[illegible]	/	.3	T=	4.617	/	11.0
LAT= 6.0	U=	5.017	/	5.9	V=	1.422	/	8.3	W=	.[illegible]	/	.4	T=	4.566	/	11.1
LAT= 12.0	U=	5.062	/	6.0	V=	2.705	/	8.3	W=	.[illegible]	/	.5	T=	4.430	/	11.2
LAT= 18.0	U=	5.196	/	6.0	V=	3.827	/	8.5	W=	.091799	/	.7	T=	4.215	/	11.4
LAT= 24.0	U=	5.360	/	6.1	V=	4.713	/	8.6	W=	.078598	/	.9	T=	3.927	/	11.7
LAT= 30.0	U=	5.500	/	6.1	V=	5.359	/	8.8	W=	.065212	/	1.2	T=	3.551	/	11.9
LAT= 36.0	U=	5.622	/	6.2	V=	5.[illegible]	/	8.9	W=	.052[illegible]	/	1.6	T=	3.142	/	.2
LAT= 42.0	U=	5.631	/	6.3	V=	5.[illegible]	/	9.1	W=	.041503	/	2.0	T=	2.705	/	.4
LAT= 48.0	U=	5.410	/	6.4	V=	5.[illegible]	/	9.3	W=	.031[illegible]	/	2.5	T=	2.21[illegible]	/	.6
LAT= 54.0	U=	5.057	/	6.5	V=	5.326	/	9.5	W=	.024[illegible]	/	2.9	T=	1.742	/	.8
LAT= 60.0	U=	4.576	/	6.7	V=	4.808	/	9.6	W=	.01[illegible]	/	3.3	T=	1.24[illegible]	/	1.0
LAT= 66.0	U=	4.079	/	6.8	V=	4.092	/	9.8	W=	.01[illegible]	/	3.5	T=	.90[illegible]	/	1.1
LAT= 72.0	U=	3.234	/	6.8	V=	3.162	/	9.9	W=	.00[illegible]	/	3.6	T=	.4[illegible]	/	1.1
LAT= 78.0	U=	2.172	/	6.9	V=	2.145	/	10.0	W=	.002[illegible]	/	4.1	T=	.202	/	1.2
LAT= 84.0	U=	1.070	/	7.1	V=	1.093	/	10.5	W=	.000590	/	5.8	T=	.04[illegible]	/	1.6

Z= 240.988 KM

LAT= 0.0	U=	4.637	/	5.4	V=	0.000	/	4.3	W=	.[illegible]	/	11.9	T=	4.509	/	11.0
LAT= 6.0	U=	4.635	/	5.4	V=	1.2[illegible]	/	7.8	W=	.122542	/	11.8	T=	4.470	/	11.0
LAT= 12.0	U=	4.697	/	5.5	V=	2.447	/	7.9	W=	.1[illegible]	/	11.9	T=	4.363	/	11.2
LAT= 18.0	U=	4.860	/	5.5	V=	3.486	/	8.0	W=	.101494	/	.1	T=	4.187	/	11.4
LAT= 24.0	U=	5.097	/	5.6	V=	4.350	/	8.2	W=	.087224	/	.4	T=	3.937	/	11.6
LAT= 30.0	U=	5.342		5.7	V=	5.009	/	8.4	W=	.072[illegible]	/	.7	T=	3.602	/	11.8
LAT= 36.0	U=	5.591	/	5.9	V=	5.445	/	8.6	W=	.058621	/	1.1	T=	3.221	/	0.0
LAT= 42.0	U=	5.699	/	6.0	V=	5.6[illegible]	/	8.8	W=	.045664	/	1.5	T=	2.802	/	.3
LAT= 48.0	U=	5.528	/	6.1	V=	5.5[illegible]	/	9.0	W=	.034453	/	2.0	T=	2.320	/	.5
LAT= 54.0	U=	5.192	/	6.2	V=	5.3[illegible]	/	9.1	W=	.025520	/	2.5	T=	1.834	/	.7
LAT= 60.0	U=	4.710	/	6.3	V=	4.87[illegible]	/	9.3	W=	.017052	/	2.8	T=	1.322	/	.9
LAT= 66.0	U=	4.227	/	6.5	V=	4.193	/	9.4	W=	.01[illegible]	/	3.1	T=	.950	/	1.0
LAT= 72.0	U=	3.348	/	6.5	V=	3.281	/	9.6	W=	.00[illegible]	/	3.1	T=	.523	/	1.0
LAT= 78.0	U=	2.252	/	6.6	V=	2.221	/	9.7	W=	.00[illegible]	/	4.0	T=	.225	/	1.1
LAT= 84.0	U=	1.113	/	6.8	V=	1.136	/	10.2	W=	.000864	/	5.5	T=	.055	/	1.4

Z= 272.801 KM

LAT= 0.0	U=	4.575	/	5.1	V=	0.000	/	4.3	W=	.138323	/	11.3	T=	4.532	/	10.9
LAT= 6.0	U=	4.582	/	5.1	V=	1.195	/	7.5	W=	.134739	/	11.4	T=	4.497	/	11.0
LAT= 12.0	U=	4.659	/	5.2	V=	2.326	/	7.6	W=	.125493	/	11.5	T=	4.401	/	11.1
LAT= 18.0	U=	4.843	/	5.3	V=	3.344	/	7.8	W=	.112256	/	11.7	T=	4.240	/	11.3
LAT= 24.0	U=	5.125	/	5.4	V=	4.217	/	8.0	W=	.096252	/	11.9	T=	4.004	/	11.6
LAT= 30.0	U=	5.432	/	5.5	V=	4.917	/	8.2	W=	.079601	/	.3	T=	3.680	/	11.8
LAT= 36.0	U=	5.750	/	5.6	V=	5.412	/	8.4	W=	.063322	/	.7	T=	3.306	/	0.0
LAT= 42.0	U=	5.911	/	5.8	V=	5.662	/	8.6	W=	.048322	/	1.1	T=	2.888	/	.2
LAT= 48.0	U=	5.754	/	5.9	V=	5.666	/	8.8	W=	.035335	/	1.5	T=	2.400	/	.4
LAT= 54.0	U=	5.410	/	6.0	V=	5.453	/	9.0	W=	.025719	/	2.0	T=	1.902	/	.6
LAT= 60.0	U=	4.905	/	6.2	V=	5.021	/	9.1	W=	.017291	/	2.4	T=	1.375	/	.8
LAT= 66.0	U=	4.409	/	6.3	V=	4.342	/	9.3	W=	.012625	/	2.6	T=	.987	/	.9
LAT= 72.0	U=	3.483	/	6.3	V=	3.405	/	9.4	W=	.005803	/	2.6	T=	.544	/	.9
LAT= 78.0	U=	2.344	/	6.4	V=	2.307	/	9.6	W=	.001614	/	3.8	T=	.232	/	1.1
LAT= 84.0	U=	1.160	/	6.6	V=	1.180	/	10.0	W=	.001050	/	5.5	T=	.060	/	1.3

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 304.762 KM

LAT= 0.0	U=	4.659 /	5.0	V=	0.000 /	4.3	W=	.152585 /	11.0	T=	4.610 /	10.9
LAT= 6.0	U=	4.670 /	5.0	V=	1.161 /	7.4	W=	.148786 /	11.0	T=	4.575 /	11.0
LAT= 12.0	U=	4.757 /	5.0	V=	2.294 /	7.6	W=	.138954 /	11.1	T=	4.484 /	11.1
LAT= 18.0	U=	4.957 /	5.1	V=	3.324 /	7.6	W=	.124590 /	11.3	T=	4.327 /	11.3
LAT= 24.0	U=	5.264 /	5.2	V=	4.201 /	7.8	W=	.106727 /	11.6	T=	4.093 /	11.5
LAT= 30.0	U=	5.663 /	5.4	V=	4.879 /	8.1	W=	.087445 /	11.9	T=	3.770 /	11.8
LAT= 36.0	U=	5.956 /	5.6	V=	5.378 /	8.3	W=	.066501 /	.2	T=	3.303 /	0.0
LAT= 42.0	U=	6.140 /	5.7	V=	5.764 /	8.5	W=	.051061 /	.6	T=	2.939 /	.2
LAT= 48.0	U=	5.985 /	5.8	V=	5.794 /	8.7	W=	.035997 /	1.0	T=	2.472 /	.4
LAT= 54.0	U=	5.627 /	6.0	V=	5.513 /	8.9	W=	.024943 /	1.5	T=	1.962 /	.6
LAT= 60.0	U=	5.096 /	6.1	V=	5.178 /	9.0	W=	.016032 /	1.8	T=	1.418 /	.8
LAT= 66.0	U=	4.580 /	6.2	V=	4.490 /	9.2	W=	.011477 /	2.1	T=	1.018 /	.9
LAT= 72.0	U=	3.611 /	6.2	V=	3.522 /	9.3	W=	.005006 /	1.9	T=	.561 /	.9
LAT= 78.0	U=	2.429 /	6.3	V=	2.387 /	9.5	W=	.000777	3.5	T=	.240 /	1.0
LAT= 84.0	U=	1.202 /	6.5	V=	1.218 /	9.9	W=	.001128 /	5.7	T=	.063 /	1.2

Z= 336.754 KM

LAT= 0.0	U=	4.780 /	4.9	V=	0.000 /	4.3	W=	.169052 /	10.7	T=	4.708 /	10.9
LAT= 6.0	U=	4.795 /	4.9	V=	1.181 /	7.3	W=	.165023 /	10.7	T=	4.675 /	11.0
LAT= 12.0	U=	4.890 /	4.9	V=	2.327 /	7.4	W=	.154556 /	10.8	T=	4.584 /	11.1
LAT= 18.0	U=	5.100 /	5.0	V=	3.375 /	7.6	W=	.138390 /	11.0	T=	4.425 /	11.3
LAT= 24.0	U=	5.422 /	5.2	V=	4.238 /	7.8	W=	.119089 /	11.2	T=	4.191 /	11.5
LAT= 30.0	U=	5.780 /	5.3	V=	5.006 /	8.0	W=	.097154 /	11.5	T=	3.862 /	11.7
LAT= 36.0	U=	6.151 /	5.5	V=	5.674 /	8.2	W=	.075434 /	11.8	T=	3.480 /	0.0
LAT= 42.0	U=	6.346 /	5.6	V=	5.880 /	8.4	W=	.055462 /	.1	T=	3.047 /	.2
LAT= 48.0	U=	6.186 /	5.8	V=	5.936 /	8.6	W=	.038114 /	.4	T=	2.537 /	.4
LAT= 54.0	U=	5.815 /	5.9	V=	5.748 /	8.8	W=	.025166 /	.8	T=	2.015 /	.6
LAT= 60.0	U=	5.262 /	6.0	V=	5.323 /	9.0	W=	.015445 /	1.1	T=	1.458 /	.8
LAT= 66.0	U=	4.727 /	6.2	V=	4.621 /	9.1	W=	.010847 /	1.3	T=	1.046 /	.9
LAT= 72.0	U=	3.722 /	6.2	V=	3.626 /	9.3	W=	.004920 /	.8	T=	.577 /	.9
LAT= 78.0	U=	2.502 /	6.3	V=	2.457 /	9.4	W=	.000385 /	11.1	T=	.248 /	1.0
LAT= 84.0	U=	1.238 /	6.5	V=	1.251 /	9.8	W=	.001133 /	5.9	T=	.065 /	1.2

Z= 368.753 KM

LAT= 0.0	U=	4.902 /	4.8	V=	0.000 /	4.3	W=	.187687 /	10.4	T=	4.813 /	10.9
LAT= 6.0	U=	4.919 /	4.9	V=	1.167 /	7.2	W=	.183442 /	10.5	T=	4.779 /	11.0
LAT= 12.0	U=	5.019 /	4.9	V=	2.296 /	7.4	W=	.172366 /	10.6	T=	4.697 /	11.1
LAT= 18.0	U=	5.237 /	5.0	V=	3.352 /	7.5	W=	.155649 /	10.7	T=	4.527 /	11.3
LAT= 24.0	U=	5.569 /	5.1	V=	4.299 /	7.7	W=	.133804 /	10.9	T=	4.287 /	11.5
LAT= 30.0	U=	5.939 /	5.3	V=	5.093 /	8.0	W=	.109313 /	11.2	T=	3.952 /	11.7
LAT= 36.0	U=	6.321 /	5.4	V=	5.681 /	8.2	W=	.084926 /	11.4	T=	3.562 /	0.0
LAT= 42.0	U=	6.522 /	5.6	V=	6.009 /	8.4	W=	.062536 /	11.6	T=	3.120 /	.2
LAT= 48.0	U=	6.358 /	5.7	V=	6.068 /	8.6	W=	.042906 /	11.9	T=	2.600 /	.4
LAT= 54.0	U=	5.974 /	5.9	V=	5.883 /	8.8	W=	.027828 /	.1	T=	2.065 /	.6
LAT= 60.0	U=	5.403 /	6.0	V=	5.453 /	9.0	W=	.016897 /	.3	T=	1.494 /	.8
LAT= 66.0	U=	4.853 /	6.1	V=	4.738 /	9.1	W=	.011748 /	.5	T=	1.071 /	.9
LAT= 72.0	U=	3.818 /	6.2	V=	3.717 /	9.2	W=	.006100 /	11.9	T=	.591 /	.9
LAT= 78.0	U=	2.566 /	6.2	V=	2.519 /	9.4	W=	.001578 /	10.3	T=	.254 /	1.0
LAT= 84.0	U=	1.270 /	6.4	V=	1.281 /	9.8	W=	.001108 /	6.3	T=	.067 /	1.2

Z= 400.753 KM

LAT= 0.0	U=	5.014 /	4.8	V=	0.000 /	4.3	W=	.207718 /	10.2	T=	4.916 /	10.9
LAT= 6.0	U=	5.032 /	4.8	V=	1.182 /	7.2	W=	.203308 /	10.2	T=	4.882 /	11.0
LAT= 12.0	U=	5.136 /	4.9	V=	2.327 /	7.3	W=	.191751 /	10.3	T=	4.787 /	11.1
LAT= 18.0	U=	5.360 /	5.0	V=	3.404 /	7.5	W=	.174063 /	10.5	T=	4.624 /	11.3
LAT= 24.0	U=	5.701 /	5.1	V=	4.372 /	7.7	W=	.150528 /	10.7	T=	4.380 /	11.5
LAT= 30.0	U=	6.079 /	5.3	V=	5.186 /	8.0	W=	.123747 /	10.9	T=	4.039 /	11.7
LAT= 36.0	U=	6.470 /	5.4	V=	5.791 /	8.2	W=	.096966 /	11.1	T=	3.640 /	0.0
LAT= 42.0	U=	6.675 /	5.6	V=	6.130 /	8.4	W=	.072397 /	11.2	T=	3.189 /	.2
LAT= 48.0	U=	6.507 /	5.7	V=	6.193 /	8.6	W=	.050613 /	11.4	T=	2.658 /	.4
LAT= 54.0	U=	6.113 /	5.9	V=	6.007 /	8.8	W=	.033387 /	11.6	T=	2.111 /	.6
LAT= 60.0	U=	5.528 /	6.0	V=	5.572 /	9.0	W=	.020867 /	11.6	T=	1.528 /	.8
LAT= 66.0	U=	4.964 /	6.1	V=	4.843 /	9.1	W=	.014528 /	11.8	T=	1.096 /	.9
LAT= 72.0	U=	3.903 /	6.2	V=	3.799 /	9.2	W=	.008327 /	11.3	T=	.504 /	.9
LAT= 78.0	U=	2.623 /	6.2	V=	2.574 /	9.4	W=	.002944 /	10.1	T=	.260 /	1.0
LAT= 84.0	U=	1.298 /	6.4	V=	1.308 /	9.8	W=	.001101 /	6.8	T=	.069 /	1.2

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 81.010 KM

LAT= 0.0	U=	1.123 /	1.0	V=	0.000 /	4.2	W=	.000499 /	5.5	T=	.498 /	6.9
LAT= 6.0	U=	1.142 /	1.0	V=	.453 /	4.1	W=	.000501 /	5.5	T=	.482 /	6.9
LAT= 12.0	U=	1.191 /	1.0	V=	.852 /	4.1	W=	.000504 /	5.4	T=	.436 /	6.9
LAT= 18.0	U=	1.251 /	1.0	V=	1.156 /	4.1	W=	.000493 /	5.4	T=	.370 /	6.9
LAT= 24.0	U=	1.296 /	1.0	V=	1.348 /	4.0	W=	.000463 /	5.3	T=	.294 /	6.8
LAT= 30.0	U=	1.310 /	1.0	V=	1.427 /	4.0	W=	.000408 /	5.3	T=	.219 /	6.8
LAT= 36.0	U=	1.282 /	1.0	V=	1.413 /	4.0	W=	.000333 /	5.2	T=	.153 /	6.8
LAT= 42.0	U=	1.213 /	1.0	V=	1.329 /	4.0	W=	.000248 /	5.2	T=	.099 /	6.7
LAT= 48.0	U=	1.109 /	.9	V=	1.197 /	3.9	W=	.000171 /	5.1	T=	.059 /	6.7
LAT= 54.0	U=	.978 /	.9	V=	1.038 /	3.9	W=	.000101 /	5.1	T=	.033 /	6.6
LAT= 60.0	U=	.828 /	.9	V=	.866 /	3.9	W=	.000057 /	5.2	T=	.015 /	6.5
LAT= 66.0	U=	.671 /	.9	V=	.689 /	3.9	W=	.000027 /	4.5	T=	.006 /	6.7
LAT= 72.0	U=	.505 /	.9	V=	.512 /	3.9	W=	.000011 /	5.9	T=	.003 /	6.2
LAT= 78.0	U=	.337 /	.9	V=	.338 /	3.9	W=	.000007 /	3.5	T=	.000 /	6.3
LAT= 84.0	U=	.168 /	.9	V=	.167 /	3.9	W=	.000002 /	3.5	T=	0.000 /	2.6

Z= 84.009 KM

LAT= 0.0	U=	1.307 /	1.0	V=	0.000 /	4.2	W=	.000833 /	5.5	T=	.565 /	6.8
LAT= 6.0	U=	1.329 /	1.0	V=	.521 /	4.1	W=	.000800 /	5.5	T=	.549 /	6.8
LAT= 12.0	U=	1.386 /	1.0	V=	.982 /	4.1	W=	.000715 /	5.5	T=	.502 /	6.8
LAT= 18.0	U=	1.456 /	1.0	V=	1.338 /	4.0	W=	.000592 /	5.6	T=	.433 /	6.8
LAT= 24.0	U=	1.512 /	1.0	V=	1.566 /	4.0	W=	.000462 /	5.7	T=	.352 /	6.8
LAT= 30.0	U=	1.533 /	1.0	V=	1.667 /	4.0	W=	.000339 /	5.8	T=	.268 /	6.8
LAT= 36.0	U=	1.505 /	1.0	V=	1.657 /	4.0	W=	.000236 /	5.9	T=	.191 /	6.8
LAT= 42.0	U=	1.428 /	.9	V=	1.564 /	3.9	W=	.000155 /	5.9	T=	.127 /	6.8
LAT= 48.0	U=	1.309 /	.9	V=	1.413 /	3.9	W=	.000097 /	5.9	T=	.077 /	6.7
LAT= 54.0	U=	1.157 /	.9	V=	1.228 /	3.9	W=	.000053 /	5.9	T=	.043 /	6.7
LAT= 60.0	U=	.980 /	.9	V=	1.025 /	3.9	W=	.000032 /	6.0	T=	.020 /	6.7
LAT= 66.0	U=	.795 /	.9	V=	.816 /	3.9	W=	.000014 /	4.4	T=	.008 /	6.9
LAT= 72.0	U=	.599 /	.9	V=	.606 /	3.9	W=	.000009 /	7.2	T=	.003 /	6.4
LAT= 78.0	U=	.398 /	.9	V=	.400 /	3.9	W=	.000008 /	3.7	T=	.000 /	8.9
LAT= 84.0	U=	.199 /	.9	V=	.198 /	3.9	W=	.000002 /	3.5	T=	0.000 /	10.6

Z= 87.062 KM

LAT= 0.0	U=	1.537 /	1.0	V=	0.000 /	4.2	W=	.001371 /	5.5	T=	.645 /	6.7
LAT= 6.0	U=	1.562 /	1.0	V=	.607 /	4.1	W=	.001283 /	5.5	T=	.629 /	6.7
LAT= 12.0	U=	1.631 /	1.0	V=	1.147 /	4.1	W=	.001054 /	5.6	T=	.583 /	6.7
LAT= 18.0	U=	1.714 /	1.0	V=	1.567 /	4.0	W=	.000751 /	5.7	T=	.512 /	6.8
LAT= 24.0	U=	1.783 /	1.0	V=	1.840 /	4.0	W=	.000463 /	6.0	T=	.424 /	6.8
LAT= 30.0	U=	1.810 /	.9	V=	1.964 /	4.0	W=	.000251 /	6.6	T=	.330 /	6.8
LAT= 36.0	U=	1.781 /	.9	V=	1.959 /	3.9	W=	.000138 /	7.6	T=	.241 /	6.8
LAT= 42.0	U=	1.693 /	.9	V=	1.852 /	3.9	W=	.000097 /	8.6	T=	.163 /	6.8
LAT= 48.0	U=	1.553 /	.9	V=	1.676 /	3.9	W=	.000070 /	9.2	T=	.101 /	6.8
LAT= 54.0	U=	1.374 /	.8	V=	1.456 /	3.8	W=	.000047 /	9.5	T=	.057 /	6.8
LAT= 60.0	U=	1.163 /	.8	V=	1.216 /	3.8	W=	.000028 /	9.1	T=	.028 /	6.7
LAT= 66.0	U=	.942 /	.8	V=	.967 /	3.8	W=	.000006 /	.2	T=	.011 /	6.9
LAT= 72.0	U=	.710 /	.8	V=	.718 /	3.8	W=	.000011 /	9.1	T=	.005 /	6.5
LAT= 78.0	U=	.471 /	.8	V=	.473 /	3.8	W=	.000011 /	5.3	T=	.001 /	4.7
LAT= 84.0	U=	.236 /	.8	V=	.234 /	3.8	W=	.000002 /	6.3	T=	.000 /	4.8

Z= 90.176 KM

LAT= 0.0	U=	1.810 /	.9	V=	0.000 /	4.2	W=	.002257 /	5.4	T=	.731 /	6.6
LAT= 6.0	U=	1.839 /	.9	V=	.698 /	4.0	W=	.002084 /	5.5	T=	.715 /	6.6
LAT= 12.0	U=	1.918 /	.9	V=	1.326 /	4.0	W=	.001627 /	5.5	T=	.671 /	6.6
LAT= 18.0	U=	2.019 /	.9	V=	1.828 /	3.9	W=	.001032 /	5.7	T=	.601 /	6.7
LAT= 24.0	U=	2.108 /	.9	V=	2.168 /	3.9	W=	.000493 /	6.3	T=	.511 /	6.8
LAT= 30.0	U=	2.150 /	.9	V=	2.333 /	3.9	W=	.000252 /	8.4	T=	.409 /	6.8
LAT= 36.0	U=	2.124 /	.9	V=	2.339 /	3.9	W=	.000339 /	9.9	T=	.307 /	6.9
LAT= 42.0	U=	2.022 /	.9	V=	2.215 /	3.9	W=	.000374 /	10.3	T=	.214 /	6.9
LAT= 48.0	U=	1.852 /	.9	V=	2.000 /	3.9	W=	.000315 /	10.4	T=	.137 /	7.0
LAT= 54.0	U=	1.631 /	.9	V=	1.729 /	3.9	W=	.000227 /	10.5	T=	.080 /	7.0
LAT= 60.0	U=	1.372 /	.9	V=	1.433 /	3.9	W=	.000134 /	10.4	T=	.040 /	6.9
LAT= 66.0	U=	1.104 /	.9	V=	1.133 /	3.9	W=	.000063 /	10.8	T=	.017 /	7.1
LAT= 72.0	U=	.827 /	.9	V=	.836 /	3.9	W=	.000041 /	10.2	T=	.008 /	6.9
LAT= 78.0	U=	.544 /	.9	V=	.548 /	3.9	W=	.000011 /	7.6	T=	.001 /	5.2
LAT= 84.0	U=	.272 /	.9	V=	.272 /	3.9	W=	.000003 /	8.1	T=	.000 /	5.1

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 93.363 KM

LAT= 0.0	U= 2.096 / .9	V= 0.000 / 4.3	W= .003343 / 5.4	T= .814 / 6.4
LAT= 6.0	U= 2.128 / .9	V= .731 / 3.8	W= .003104 / 5.4	T= .799 / 6.5
LAT= 12.0	U= 2.219 / .9	V= 1.418 / 3.8	W= .002466 / 5.4	T= .758 / 6.5
LAT= 18.0	U= 2.348 / .9	V= 2.013 / 3.9	W= .001613 / 5.6	T= .691 / 6.6
LAT= 24.0	U= 2.485 / .9	V= 2.470 / 3.9	W= .000794 / 6.0	T= .602 / 6.7
LAT= 30.0	U= 2.587 / .9	V= 2.755 / 3.9	W= .000354 / 8.0	T= .499 / 6.8
LAT= 36.0	U= 2.617 / .9	V= 2.855 / 3.9	W= .000520 / 9.8	T= .389 / 6.9
LAT= 42.0	U= 2.549 / .9	V= 2.781 / 3.9	W= .000639 / 10.2	T= .282 / 6.9
LAT= 48.0	U= 2.381 / .9	V= 2.565 / 3.9	W= .000594 / 10.3	T= .189 / 7.0
LAT= 54.0	U= 2.128 / .9	V= 2.252 / 3.9	W= .000467 / 10.3	T= .116 / 7.0
LAT= 60.0	U= 1.80[illegible] / .9	V= 1.885 / 3.9	W= .000312 / 10.3	T= .063 / 7.0
LAT= 66.0	U= 1.460 / .9	V= 1.496 / 3.9	W= .000172 / 10.4	T= .029 / 7.2
LAT= 72.0	U= 1.098 / .9	V= 1.105 / 3.9	W= .000107 / 10.3	T= .014 / 7.0
LAT= 78.0	U= .717 / .9	V= .723 / 3.9	W= .000054 / 9.4	T= .005 / 6.4
LAT= 84.0	U= .360 / .9	V= .358 / 3.9	W= .000011 / 9.2	T= .001 / 6.2

Z= 96.638 KM

LAT= 0.0	U= 2.430 / .8	V= 0.000 / 11.4	W= .004800 / 5.4	T= .915 / 6.3
LAT= 6.0	U= 2.465 / .8	V= .834 / 3.8	W= .004515 / 5.4	T= .897 / 6.3
LAT= 12.0	U= 2.575 / .8	V= 1.617 / 3.8	W= .003735 / 5.4	T= .846 / 6.4
LAT= 18.0	U= 2.72[illegible] / .8	V= 2.245 / 3.8	W= .002643 / 5.4	T= .767 / 6.5
LAT= 24.0	U= 2.887 / .8	V= 2.823 / 3.8	W= .001491 / 5.4	T= .669 / 6.6
LAT= 30.0	U= 3.011 / .8	V= 3.116 / 3.8	W= .000510 / 5.9	T= .557 / 6.7
LAT= 36.0	U= 3.060 / .8	V= 3.379 / 3.8	W= .000317 / 9.8	T= .440 / 6.8
LAT= 42.0	U= 3.005 / .8	V= 3.[illegible]1 / 3.8	W= .000651 / 10.5	T= .326 / 6.9
LAT= 48.0	U= 2.838 / .8	V= 3.[illegible]51 / 3.8	W= .000750 / 10.6	T= .223 / 7.0
LAT= 54.0	U= 2.570 / .8	V= 2.720 / 3.8	W= .000663 / 10.6	T= .140 / 7.0
LAT= 60.0	U= 2.216 / .8	V= 2.313 / 3.8	W= .000444 / 10.5	T= .077 / 7.1
LAT= 66.0	U= 1.814 / .8	V= 1.[illegible]3 / 3.8	W= .000295 / 10.6	T= .038 / 7.3
LAT= 72.0	U= 1.364 / .8	V= 1.3[illegible]3 / 3.8	W= .000185 / 10.6	T= .016 / 7.2
LAT= 78.0	U= .920 / .8	V= .920 / 3.8	W= .000117 / 9.7	T= .008 / 6.6
LAT= 84.0	U= .455 / .8	V= .460 / 3.8	W= .000026 / 9.4	T= .002 / 6.3

Z= 10[illegible].017 KM

LAT= 0.0	U= 2.930 / .7	V= 0.[illegible] / 11.2	W= [illegible] / 5.2	T= 1.000 / 6.0
LAT= [illegible]	U= 2.[illegible] / .7	V= 1.[illegible]44 / 3.5	W= [illegible] / 5.2	T= .974 / 6.0
LAT= 12.0	U= 2.[illegible] / .7	V= [illegible] / 3.[illegible]	W= .00[illegible]720 / 5.3	T= .916 / 6.1
LAT= [illegible]	U= 3.135 / .7	V= 2.[illegible] / 3.6	W= .00[illegible]255 / 5.3	T= .821 / 6.2
LAT= 24.0	U= 3.[illegible] / .8	V= 3.[illegible]2 / 3.7	W= .00[illegible]13 / 5.4	T= .71[illegible] / 6.4
LAT= 30.0	U= 3.374 / .8	V= 3.[illegible] / 3.8	W= .001237 / 5.6	T= .602 / 6.6
LAT= [illegible]	U= 3.[illegible] / .9	V= 3.[illegible]6 / 3.9	W= .00[illegible] / 7.4	T= .4[illegible] / 6.8
LAT= 42.0	U= 3.[illegible] / .9	V= [illegible]4 / 3.9	W= .000[illegible] / 10.4	T= .365 / 6.9
LAT= 48.0	U= 3.123 / .9	V= 3.[illegible]4 / 3.9	W= .000819 / 10.8	T= .256 / 7.1
LAT= 54.0	U= 2.865 / 1.0	V= 3.[illegible]9 / 4.0	W= .000716 / 10.9	T= .165 / 7.2
LAT= 60.0	U= 2.[illegible] / 1.0	V= 2.[illegible]9 / 4.0	W= .000582 / 11.0	T= .092 / 7.3
LAT= 66.0	U= 2.076 / 1.0	V= 2.[illegible]41 / 4.0	W= .000369 / 11.3	T= .047 / 7.6
LAT= 72.0	U= 1.60[illegible] / .9	V= 1.[illegible]73 / 3.9	W= .000231 / 11.4	T= .023 / 7.8
LAT= 78.0	U= 1.090 / .9	V= 1.043 / 3.9	W= .000127 / 10.6	T= .011 / 7.1
LAT= 84.0	U= .541 / .9	V= .[illegible]5 / 4.0	W= .000034 / 9.9	T= .003 / 6.5

Z= 103.521 KM

LAT= 0.0	U= 3.22[illegible] / .6	V= 0.000 / 5.0	W= .010345 / 5.0	T= 1.015 / 5.4
LAT= [illegible]	U= 3.2[illegible] / .6	V= 1.[illegible]5 / 3.2	W= .009692 / 5.0	T= 1.002 / 5.5
LAT= 12.0	U= 3.[illegible] / .6	V= 2.[illegible] / 3.3	W= .008641 / 5.1	T= .963 / 5.6
LAT= 18.0	U= 3.552 / .6	V= 2.[illegible] / 3.4	W= .006655 / 5.3	T= .901 / 5.7
LAT= 24.0	U= 3.724 / .7	V= 3.[illegible] / 3.5	W= .004897 / 5.5	T= .813 / 5.9
LAT= 30.0	U= 3.867 / .8	V= 4.[illegible]5 / 3.7	W= .003096 / 5.9	T= .702 / 6.2
LAT= 36.0	U= 3.949 / .8	V= 4.[illegible]4 / 3.8	W= .001701 / 6.5	T= .573 / 6.4
LAT= 42.0	U= 3.[illegible] / .9	V= 4.315 / 3.9	W= .000851 / 7.7	T= .435 / 6.6
LAT= 48.0	U= 3.801 / 1.0	V= 4.[illegible]2 / 4.0	W= .000578 / 9.4	T= .302 / 6.9
LAT= 54.0	U= 3.532 / 1.0	V= 3.747 / 4.0	W= .000565 / 10.7	T= .192 / 7.2
LAT= 60.0	U= 3.118 / 1.1	V= 3.[illegible]9 / 4.1	W= .000501 / 11.5	T= .106 / 7.5
LAT= 66.0	U= 2.604 / 1.1	V= 2.[illegible]1 / 4.1	W= .000397 / .2	T= .056 / 8.2
LAT= 72.0	U= 2.015 / 1.1	V= 2.[illegible]2 / 4.1	W= .000290 / .5	T= .030 / 8.7
LAT= 78.0	U= 1.357 / 1.1	V= 1.3[illegible] / 4.1	W= .000155 / .2	T= .014 / 8.6
LAT= 84.0	U= .674 / 1.1	V= .665 / 4.1	W= .000038 / 10.5	T= .004 / 7.2

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 107.177 KM

LAT= 0.0	U=	3.751 /	.5	V=	0.000 /	4.9	W=	.014674 /	4.9	T=	1.188 /	4.5
LAT= 6.0	U=	3.793 /	.5	V=	1.047 /	3.2	W=	.014229 /	4.9	T=	1.182 /	4.5
LAT= 12.0	U=	3.920 /	.5	V=	2.083 /	3.2	W=	.012988 /	5.0	T=	1.159 /	4.6
LAT= 18.0	U=	4.121 /	.5	V=	3.083 /	3.3	W=	.011157 /	5.2	T=	1.106 /	4.8
LAT= 24.0	U=	4.375 /	.6	V=	3.992 /	3.4	W=	.009008 /	5.4	T=	1.010 /	4.9
LAT= 30.0	U=	4.637 /	.6	V=	4.735 /	3.5	W=	.006772 /	5.6	T=	.866 /	5.1
LAT= 36.0	U=	4.845 /	.6	V=	5.232 /	3.6	W=	.004650 /	5.8	T=	.686 /	5.3
LAT= 42.0	U=	4.927 /	.7	V=	5.424 /	3.6	W=	.002801 /	6.0	T=	.493 /	5.6
LAT= 48.0	U=	4.826 /	.7	V=	5.295 /	3.7	W=	.001353 /	6.2	T=	.317 /	6.0
LAT= 54.0	U=	4.515 /	.8	V=	4.873 /	3.8	W=	.000373 /	6.1	T=	.185 /	6.6
LAT= 60.0	U=	3.992 /	.8	V=	4.230 /	3.8	W=	.000174 /	1.2	T=	.095 /	7.4
LAT= 66.0	U=	3.318 /	.8	V=	3.442 /	3.8	W=	.000367 /	1.0	T=	.064 /	8.6
LAT= 72.0	U=	2.550 /	.0	V=	2.578 /	3.9	W=	.000353 /	1.0	T=	.047 /	9.3
LAT= 78.0	U=	1.708 /	.9	V=	1.695 /	3.9	W=	.000188 /	.6	T=	.024 /	9.1
LAT= 84.0	U=	.847 /	.9	V=	.823 /	3.9	W=	.000036 /	10.6	T=	.005 /	7.3

Z= 111.019 KM

LAT= 0.0	U=	4.552 /	.2	V=	0.000 /	4.7	W=	.021354 /	4.7	T=	2.097 /	3.3
LAT= 6.0	U=	4.595 /	.2	V=	1.207 /	3.0	W=	.020909 /	4.7	T=	2.066 /	3.3
LAT= 12.0	U=	4.726 /	.2	V=	2.411 /	3.0	W=	.019620 /	4.8	T=	1.974 /	3.4
LAT= 18.0	U=	4.931 /	.2	V=	3.580 /	3.0	W=	.017575 /	4.9	T=	1.812 /	3.5
LAT= 24.0	U=	5.187 /	.2	V=	4.647 /	3.0	W=	.014937 /	5.0	T=	1.578 /	3.6
LAT= 30.0	U=	5.446 /	.2	V=	5.514 /	3.0	W=	.011913 /	5.1	T=	1.284 /	3.7
LAT= 36.0	U=	5.639 /	.2	V=	6.081 /	3.1	W=	.008789 /	5.2	T=	.956 /	3.8
LAT= 42.0	U=	5.688 /	.2	V=	6.282 /	3.1	W=	.005867 /	5.2	T=	.635 /	4.0
LAT= 48.0	U=	5.531 /	.2	V=	6.104 /	3.2	W=	.003429 /	5.2	T=	.359 /	4.3
LAT= 54.0	U=	5.146 /	.2	V=	5.591 /	3.2	W=	.001659 /	5.0	T=	.166 /	4.9
LAT= 60.0	U=	4.530 /	.3	V=	4.828 /	3.3	W=	.000607 /	4.4	T=	.068 /	6.4
LAT= 66.0	U=	3.744 /	.3	V=	3.913 /	3.3	W=	.000281 /	2.3	T=	.066 /	8.4
LAT= 72.0	U=	2.876 /	.4	V=	2.920 /	3.3	W=	.000283 /	1.0	T=	.060 /	8.8
LAT= 78.0	U=	1.937 /	.4	V=	1.909 /	3.4	W=	.000137 /	.3	T=	.028 /	8.5
LAT= 84.0	U=	.955 /	.4	V=	.910 /	3.5	W=	.000014 /	10.2	T=	.005 /	6.6

Z= 115.091 KM

LAT= 0.0	U=	5.187 /	11.6	V=	0.000 /	4.5	W=	.030215 /	4.5	T=	3.812 /	2.4
LAT= 6.0	U=	5.219 /	11.6	V=	1.377 /	2.3	W=	.029645 /	4.5	T=	3.731 /	2.4
LAT= 12.0	U=	5.319 /	11.6	V=	2.712 /	2.3	W=	.027976 /	4.5	T=	3.496 /	2.4
LAT= 18.0	U=	5.466 /	11.6	V=	3.954 /	2.3	W=	.025289 /	4.5	T=	3.124 /	2.4
LAT= 24.0	U=	5.638 /	11.5	V=	5.028 /	2.3	W=	.021767 /	4.6	T=	2.645 /	2.5
LAT= 30.0	U=	5.793 /	11.5	V=	5.850 /	2.3	W=	.017677 /	4.6	T=	2.100 /	2.5
LAT= 36.0	U=	5.877 /	11.5	V=	6.346 /	2.4	W=	.013399 /	4.6	T=	1.542 /	2.6
LAT= 42.0	U=	5.829 /	11.5	V=	6.469 /	2.4	W=	.009341 /	4.7	T=	1.027 /	2.7
LAT= 48.0	U=	5.599 /	11.5	V=	6.224 /	2.5	W=	.005864 /	4.7	T=	.599 /	2.9
LAT= 54.0	U=	5.169 /	11.6	V=	5.661 /	2.5	W=	.003226 /	4.7	T=	.291 /	3.2
LAT= 60.0	U=	4.532 /	11.6	V=	4.867 /	2.6	W=	.001446 /	4.6	T=	.105 /	3.9
LAT= 66.0	U=	3.734 /	11.7	V=	3.936 /	2.7	W=	.000441 /	4.6	T=	.056 /	6.4
LAT= 72.0	U=	2.884 /	11.7	V=	2.935 /	2.7	W=	.000059 /	3.9	T=	.053 /	7.1
LAT= 78.0	U=	1.954 /	11.8	V=	1.913 /	2.8	W=	.000017 /	5.8	T=	.022 /	6.6
LAT= 84.0	U=	.958 /	11.8	V=	.899 /	2.9	W=	.000033 /	4.7	T=	.005 /	4.1

Z= 119.451 KM

LAT= 0.0	U=	5.493 /	10.9	V=	0.000 /	4.2	W=	.039842 /	4.1	T=	5.590 /	1.7
LAT= 6.0	U=	5.508 /	10.9	V=	1.472 /	1.6	W=	.039073 /	4.1	T=	5.456 /	1.7
LAT= 12.0	U=	5.562 /	10.9	V=	2.869 /	1.6	W=	.036844 /	4.2	T=	5.079 /	1.7
LAT= 18.0	U=	5.639 /	10.9	V=	4.115 /	1.6	W=	.033303 /	4.2	T=	4.499 /	1.7
LAT= 24.0	U=	5.718 /	10.8	V=	5.137 /	1.6	W=	.028726 /	4.2	T=	3.778 /	1.7
LAT= 30.0	U=	5.769 /	10.9	V=	5.867 /	1.6	W=	.023479 /	4.2	T=	2.990 /	1.8
LAT= 36.0	U=	5.755 /	10.8	V=	6.258 /	1.6	W=	.018038 /	4.2	T=	2.215 /	1.9
LAT= 42.0	U=	5.626 /	10.8	V=	6.293 /	1.7	W=	.012884 /	4.3	T=	1.519 /	2.0
LAT= 48.0	U=	5.346 /	10.8	V=	5.992 /	1.7	W=	.008424 /	4.4	T=	.947 /	2.2
LAT= 54.0	U=	4.905 /	10.9	V=	5.411 /	1.8	W=	.004982 /	4.5	T=	.534 /	2.5
LAT= 60.0	U=	4.285 /	10.9	V=	4.631 /	1.9	W=	.002535 /	4.7	T=	.263 /	3.0
LAT= 66.0	U=	3.525 /	11.0	V=	3.735 /	2.0	W=	.001117 /	5.3	T=	.140 /	4.1
LAT= 72.0	U=	2.737 /	11.1	V=	2.783 /	2.1	W=	.000538 /	5.9	T=	.090 /	4.5
LAT= 78.0	U=	1.859 /	11.1	V=	1.809 /	2.1	W=	.000257 /	5.7	T=	.038 /	4.0
LAT= 84.0	U=	.905 /	11.1	V=	.841 /	2.3	W=	.000093 /	4.6	T=	.011 /	2.2

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 124.175 KM

LAT= 0.0	U=	5.665	/	10.3	V=	0.000	/	3.8	W=	.049406	/	3.8	T=	6.796 / 1.1
LAT= 6.0	U=	5.665	/	10.2	V=	1.556	/	.8	W=	.048433	/	3.8	T=	6.632 / 1.2
LAT= 12.0	U=	5.684	/	10.2	V=	3.008	/	.8	W=	.045634	/	3.8	T=	6.171 / 1.2
LAT= 18.0	U=	5.708	/	10.2	V=	4.2[illegible]	/	.8	W=	.041231	/	3.8	T=	5.467 / 1.2
LAT= 24.0	U=	5.723	/	10.1	V=	5.240	/	.8	W=	.035596	/	3.8	T=	4.601 / 1.3
LAT= 30.0	U=	5.707	/	10.1	V=	5.892	/	.9	W=	.029204	/	3.9	T=	3.666 / 1.3
LAT= 36.0	U=	5.631	/	10.1	V=	6.190	/	.9	W=	.022637	/	3.9	T=	2.758 / 1.4
LAT= 42.0	U=	5.454	/	10.1	V=	6.145	/	1.0	W=	.016447	/	4.0	T=	1.951 / 1.6
LAT= 48.0	U=	5.144	/	10.1	V=	5.795	/	1.0	W=	.011077	/	4.2	T=	1.286 / 1.8
LAT= 54.0	U=	4.700	/	10.2	V=	5.159	/	1.1	W=	.006917	/	4.4	T=	.802 / 2.1
LAT= 60.0	U=	4.098	/	10.2	V=	4.430	/	1.2	W=	.003867	/	4.7	T=	.462 / 2.6
LAT= 66.0	U=	3.372	/	10.3	V=	3.585	/	1.3	W=	.002111	/	5.3	T=	.285 / 3.3
LAT= 72.0	U=	2.626	/	10.4	V=	2.654	/	1.4	W=	.001229	/	5.7	T=	.174 / 3.4
LAT= 78.0	U=	1.783	/	10.4	V=	1.724	/	1.5	W=	.000545	/	5.4	T=	.070 / 3.0
LAT= 84.0	U=	.864	/	10.5	V=	.797	/	1.6	W=	.000156	/	4.3	T=	.017 / 1.4

Z= 129.367 KM

LAT= 0.0	U=	5.789	/	9.6	V=	0.000	/	3.4	W=	.058291	/	3.5	T=	7.359 / .8
LAT= 6.0	U=	5.782	/	9.6	V=	1.641	/	.1	W=	.057144	/	3.5	T=	7.188 / .8
LAT= 12.0	U=	5.787	/	9.6	V=	3.156	/	.1	W=	.053863	/	3.5	T=	6.709 / .8
LAT= 18.0	U=	5.792	/	9.5	V=	4.403	/	.1	W=	.048709	/	3.5	T=	5.977 / .9
LAT= 24.0	U=	5.784	/	9.5	V=	5.383	/	.1	W=	.042124	/	3.5	T=	5.073 / .9
LAT= 30.0	U=	5.743	/	9.4	V=	5.993	/	.2	W=	.034680	/	3.6	T=	4.095 / 1.0
LAT= 36.0	U=	5.641	/	9.4	V=	6.227	/	.2	W=	.027071	/	3.7	T=	3.142 / 1.2
LAT= 42.0	U=	5.440	/	9.4	V=	6.124	/	.3	W=	.019931	/	3.8	T=	2.292 / 1.3
LAT= 48.0	U=	5.109	/	9.4	V=	5.736	/	.4	W=	.013739	/	4.0	T=	1.581 / 1.6
LAT= 54.0	U=	4.660	/	9.5	V=	5.127	/	.5	W=	.008943	/	4.3	T=	1.052 / 1.9
LAT= 60.0	U=	4.062	/	9.6	V=	4.364	/	.6	W=	.005347	/	4.7	T=	.659 / 2.3
LAT= 66.0	U=	3.352	/	9.7	V=	3.513	/	.7	W=	.003274	/	5.2	T=	.433 / 2.8
LAT= 72.0	U=	2.616	/	9.7	V=	2.619	/	.7	W=	.001994	/	5.4	T=	.258 / 2.8
LAT= 78.0	U=	1.770	/	9.8	V=	1.763	/	.8	W=	.000823	/	5.0	T=	.097 / 2.5
LAT= 84.0	U=	.855	/	9.8	V=	.789	/	1.1	W=	.000203	/	3.8	T=	.018 / 1.0

Z= 135.169 KM

LAT= 0.0	U=	5.876	/	9.0	V=	0.000	/	9.3	W=	.066001	/	3.1	T=	7.476 / .4
LAT= 6.0	U=	5.871	/	9.0	V=	1.704	/	11.4	W=	.064715	/	3.1	T=	7.314 / .5
LAT= 12.0	U=	5.889	/	9.0	V=	3.270	/	11.5	W=	.061046	/	3.1	T=	6.860 / .5
LAT= 18.0	U=	5.916	/	8.9	V=	4.575	/	11.5	W=	.055275	/	3.2	T=	6.165 / .6
LAT= 24.0	U=	5.927	/	8.8	V=	5.538	/	11.5	W=	.047892	/	3.2	T=	5.296 / .6
LAT= 30.0	U=	5.897	/	8.8	V=	6.121	/	11.6	W=	.039549	/	3.3	T=	4.343 / .8
LAT= 36.0	U=	5.796	/	8.8	V=	6.330	/	11.6	W=	.031056	/	3.5	T=	3.407 / .9
LAT= 42.0	U=	5.583	/	8.8	V=	6.203	/	11.7	W=	.023121	/	3.6	T=	2.558 / 1.1
LAT= 48.0	U=	5.233	/	8.8	V=	5.801	/	11.8	W=	.016240	/	3.9	T=	1.830 / 1.4
LAT= 54.0	U=	4.770	/	8.9	V=	5.190	/	11.9	W=	.010913	/	4.2	T=	1.272 / 1.7
LAT= 60.0	U=	4.164	/	8.9	V=	4.431	/	.0	W=	.006833	/	4.6	T=	.834 / 2.0
LAT= 66.0	U=	3.454	/	9.0	V=	3.581	/	.1	W=	.004458	/	5.1	T=	.563 / 2.4
LAT= 72.0	U=	2.699	/	9.1	V=	2.679	/	.1	W=	.002723	/	5.1	T=	.329 / 2.4
LAT= 78.0	U=	1.819	/	9.1	V=	1.747	/	.3	W=	.001051	/	4.7	T=	.118 / 2.1
LAT= 84.0	U=	.877	/	9.3	V=	.816	/	.5	W=	.000230	/	3.1	T=	.017 / .7

Z= 141.772 KM

LAT= 0.0	U=	5.939	/	8.5	V=	0.000	/	8.8	W=	.072618	/	2.7	T=	7.322 / .1
LAT= 6.0	U=	5.944	/	8.4	V=	1.729	/	10.9	W=	.071198	/	2.7	T=	7.176 / .1
LAT= 12.0	U=	5.997	/	8.4	V=	3.317	/	10.9	W=	.067161	/	2.8	T=	6.769 / .2
LAT= 18.0	U=	6.072	/	8.3	V=	4.642	/	10.9	W=	.060823	/	2.8	T=	6.141 / .3
LAT= 24.0	U=	6.126	/	8.3	V=	5.622	/	10.9	W=	.052729	/	2.9	T=	5.345 / .4
LAT= 30.0	U=	6.124	/	8.2	V=	6.221	/	11.0	W=	.043623	/	3.0	T=	4.459 / .5
LAT= 36.0	U=	6.033	/	8.2	V=	6.443	/	11.1	W=	.034427	/	3.2	T=	3.574 / .7
LAT= 42.0	U=	5.815	/	8.2	V=	6.329	/	11.1	W=	.025893	/	3.4	T=	2.753 / .9
LAT= 48.0	U=	5.444	/	8.2	V=	5.939	/	11.2	W=	.018496	/	3.7	T=	2.028 / 1.2
LAT= 54.0	U=	4.962	/	8.3	V=	5.338	/	11.3	W=	.012753	/	4.0	T=	1.451 / 1.5
LAT= 60.0	U=	4.339	/	8.4	V=	4.583	/	11.4	W=	.008253	/	4.4	T=	.979 / 1.8
LAT= 66.0	U=	3.620	/	8.5	V=	3.724	/	11.5	W=	.005586	/	4.9	T=	.670 / 2.1
LAT= 72.0	U=	2.835	/	8.6	V=	2.799	/	11.6	W=	.003378	/	4.8	T=	.384 / 2.0
LAT= 78.0	U=	1.902	/	8.6	V=	1.831	/	11.7	W=	.001238	/	4.4	T=	.135 / 1.7
LAT= 84.0	U=	.918	/	8.7	V=	.866	/	.1	W=	.000245	/	2.5	T=	.015 / .8

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 149.425 KM

LAT= 0.0	U=	5.990 /	7.9	V=	0.000 /	8.3	W=	.078700 /	2.3	T=	6.998 /	11.9
LAT= 6.0	U=	6.005 /	7.9	V=	1.715 /	10.3	W=	.077121 /	2.3	T=	6.870 /	11.8
LAT= 12.0	U=	6.090 /	7.9	V=	3.295 /	10.3	W=	.072650 /	2.4	T=	6.516 /	11.9
LAT= 18.0	U=	6.209 /	7.8	V=	4.624 /	10.4	W=	.065681 /	2.5	T=	5.966 /	.0
LAT= 24.0	U=	6.298 /	7.8	V=	5.620 /	10.4	W=	.056862 /	2.6	T=	5.260 /	.1
LAT= 30.0	U=	6.314 /	7.7	V=	6.246 /	10.5	W=	.047051 /	2.7	T=	4.458 /	.3
LAT= 36.0	U=	6.229 /	7.7	V=	6.504 /	10.5	W=	.037286 /	2.9	T=	3.646 /	.5
LAT= 42.0	U=	6.006 /	7.7	V=	6.423 /	10.6	W=	.028328 /	3.2	T=	2.874 /	.7
LAT= 48.0	U=	5.620 /	7.8	V=	6.063 /	10.7	W=	.020584 /	3.5	T=	2.167 /	.9
LAT= 54.0	U=	5.126 /	7.9	V=	5.483 /	10.8	W=	.014534 /	3.8	T=	1.584 /	1.2
LAT= 60.0	U=	4.496 /	7.9	V=	4.736 /	10.9	W=	.009665 /	4.2	T=	1.090 /	1.5
LAT= 66.0	U=	3.777 /	8.0	V=	3.869 /	11.0	W=	.006699 /	4.6	T=	.751 /	1.7
LAT= 72.0	U=	2.964 /	8.1	V=	2.921 /	11.1	W=	.004004 /	4.5	T=	.426 /	1.6
LAT= 78.0	U=	1.983 /	8.1	V=	1.918 /	11.3	W=	.001427 /	4.1	T=	.149 /	1.4
LAT= 84.0	U=	.957 /	8.3	V=	.921 /	11.7	W=	.000237 /	2.2	T=	.015 /	.7

Z= 158.420 KM

LAT= 0.0	U=	6.012 /	7.4	V=	0.000 /	6.1	W=	.084672 /	1.9	T=	6.577 /	11.5
LAT= 6.0	U=	6.026 /	7.4	V=	1.670 /	9.8	W=	.082900 /	1.9	T=	6.467 /	11.5
LAT= 12.0	U=	6.116 /	7.3	V=	3.217 /	9.8	W=	.077918 /	2.0	T=	6.162 /	11.6
LAT= 18.0	U=	6.246 /	7.3	V=	4.528 /	9.8	W=	.070232 /	2.1	T=	5.689 /	11.7
LAT= 24.0	U=	6.338 /	7.3	V=	5.526 /	9.9	W=	.060644 /	2.2	T=	5.074 /	11.8
LAT= 30.0	U=	6.349 /	7.3	V=	6.173 /	10.0	W=	.050153 /	2.4	T=	4.364 /	.0
LAT= 36.0	U=	6.266 /	7.3	V=	6.462 /	10.1	W=	.039909 /	2.6	T=	3.635 /	.2
LAT= 42.0	U=	6.051 /	7.3	V=	6.421 /	10.2	W=	.030653 /	2.9	T=	2.926 /	.4
LAT= 48.0	U=	5.670 /	7.4	V=	6.099 /	10.3	W=	.022689 /	3.2	T=	2.251 /	.7
LAT= 54.0	U=	5.189 /	7.4	V=	5.552 /	10.4	W=	.016418 /	3.5	T=	1.673 /	.9
LAT= 60.0	U=	4.579 /	7.5	V=	4.826 /	10.5	W=	.011208 /	3.9	T=	1.167 /	1.1
LAT= 66.0	U=	3.880 /	7.6	V=	3.965 /	10.6	W=	.007916 /	4.2	T=	.810 /	1.3
LAT= 72.0	U=	3.053 /	7.6	V=	3.005 /	10.7	W=	.004680 /	4.1	T=	.456 /	1.2
LAT= 78.0	U=	2.040 /	7.7	V=	1.982 /	10.9	W=	.001639 /	3.8	T=	.163 /	1.0
LAT= 84.0	U=	.988 /	7.9	V=	.967 /	11.3	W=	.000187 /	2.3	T=	.019 /	.9

Z= 181.310 KM

LAT= 0.0	U=	5.775 /	6.4	V=	0.000 /	10.8	W=	.095967 /	1.0	T=	5.701 /	10.9
LAT= 6.0	U=	5.773 /	6.4	V=	1.514 /	8.8	W=	.093759 /	1.0	T=	5.620 /	11.0
LAT= 12.0	U=	5.832 /	6.4	V=	2.925 /	8.9	W=	.087682 /	1.1	T=	5.397 /	11.1
LAT= 18.0	U=	5.939 /	6.4	V=	4.139 /	8.9	W=	.078586 /	1.2	T=	5.051 /	11.2
LAT= 24.0	U=	6.011 /	6.4	V=	5.064 /	9.0	W=	.067660 /	1.4	T=	4.596 /	11.4
LAT= 30.0	U=	6.013 /	6.4	V=	5.724 /	9.1	W=	.056133 /	1.6	T=	4.053 /	11.6
LAT= 36.0	U=	5.960 /	6.5	V=	6.050 /	9.2	W=	.045254 /	1.9	T=	3.483 /	11.8
LAT= 42.0	U=	5.805 /	6.5	V=	6.077 /	9.4	W=	.035625 /	2.2	T=	2.902 /	.0
LAT= 48.0	U=	5.483 /	6.6	V=	5.849 /	9.5	W=	.027371 /	2.5	T=	2.308 /	.2
LAT= 54.0	U=	5.073 /	6.7	V=	5.410 /	9.6	W=	.020766 /	2.9	T=	1.761 /	.4
LAT= 60.0	U=	4.550 /	6.8	V=	4.785 /	9.7	W=	.014867 /	3.2	T=	1.257 /	.6
LAT= 66.0	U=	3.940 /	6.8	V=	3.995 /	9.8	W=	.010810 /	3.4	T=	.880 /	.7
LAT= 72.0	U=	3.119 /	6.9	V=	3.063 /	10.0	W=	.006254 /	3.3	T=	.494 /	.6
LAT= 78.0	U=	2.085 /	6.9	V=	2.041 /	10.1	W=	.002136 /	3.3	T=	.188 /	.5
LAT= 84.0	U=	1.018 /	7.1	V=	1.024 /	10.6	W=	.000149 /	4.6	T=	.033 /	.8

Z= 209.665 KM

LAT= 0.0	U=	5.061 /	5.7	V=	0.000 /	4.2	W=	.105298 /	.2	T=	5.126 /	10.7
LAT= 6.0	U=	5.056 /	5.7	V=	1.317 /	8.1	W=	.102625 /	.2	T=	5.066 /	10.7
LAT= 12.0	U=	5.098 /	5.7	V=	2.549 /	8.2	W=	.095528 /	.3	T=	4.900 /	10.9
LAT= 18.0	U=	5.205 /	5.7	V=	3.622 /	8.3	W=	.085373 /	.4	T=	4.638 /	11.0
LAT= 24.0	U=	5.314 /	5.7	V=	4.475 /	8.4	W=	.073726 /	.6	T=	4.284 /	11.2
LAT= 30.0	U=	5.385 /	5.8	V=	5.079 /	8.5	W=	.061818 /	.9	T=	3.844 /	11.4
LAT= 36.0	U=	5.438 /	5.8	V=	5.425 /	8.6	W=	.050580 /	1.2	T=	3.372 /	11.6
LAT= 42.0	U=	5.393 /	5.9	V=	5.520 /	8.8	W=	.040378 /	1.5	T=	2.875 /	11.8
LAT= 48.0	U=	5.157 /	6.0	V=	5.394 /	8.9	W=	.031488 /	1.9	T=	2.336 /	.0
LAT= 54.0	U=	4.825 /	6.1	V=	5.082 /	9.0	W=	.024262 /	2.2	T=	1.813 /	.1
LAT= 60.0	U=	4.393 /	6.2	V=	4.586 /	9.2	W=	.017771 /	2.6	T=	1.311 /	.2
LAT= 66.0	U=	3.882 /	6.3	V=	3.900 /	9.3	W=	.012991 /	2.8	T=	.923 /	.3
LAT= 72.0	U=	3.094 /	6.3	V=	3.033 /	9.4	W=	.007322 /	2.7	T=	.517 /	.2
LAT= 78.0	U=	2.078 /	6.3	V=	2.043 /	9.6	W=	.002521 /	2.9	T=	.207 /	.2
LAT= 84.0	U=	1.019 /	6.6	V=	1.045 /	10.0	W=	.000336 /	4.6	T=	.044 /	.6

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 240.988 KM

LAT= 0.0	U=	4.381	/ 5.1	V=	0.000	/ 4.2	W=	.114149	/ 11.6	T=	4.896	/ 10.6
LAT= 6.0	U=	4.382	/ 5.1	V=	1.167	/ 7.6	W=	.111119	/ 11.6	T=	4.848	/ 10.6
LAT= 12.0	U=	4.428	/ 5.1	V=	2.262	/ 7.7	W=	.103294	/ 11.7	T=	4.712	/ 10.8
LAT= 18.0	U=	4.555	/ 5.2		3.222	/ 7.8	W=	.092384	/ 11.8	T=	4.493	/ 10.9
LAT= 24.0	U=	4.731	/ 5.3	V=	4.007	/ 7.9	W=	.080064	/ .0	T=	4.187	/ 11.1
LAT= 30.0	U=	4.905	/ 5.3	V=	4.556	/ 8.1	W=	.067552	/ .3	T=	3.792	/ 11.3
LAT= 36.0	U=	5.086	/ 5.4	V=	4.976	/ 8.2	W=	.055443	/ .6	T=	3.361	/ 11.5
LAT= 42.0	U=	5.152	/ 5.5	V=	5.136	/ 8.4	W=	.043973	/ 1.0	T=	2.900	/ 11.6
LAT= 48.0	U=	4.982	/ 5.6	V=	5.092	/ 8.5	W=	.033847	/ 1.4	T=	2.383	/ 11.8
LAT= 54.0	U=	4.691	/ 5.7	V=	4.868	/ 8.7	W=	.025941	/ 1.7	T=	1.865	/ 11.9
LAT= 60.0	U=	4.306	/ 5.8	V=	4.459	/ 8.8	W=	.018789	/ 2.1	T=	1.357	/ .1
LAT= 66.0	U=	3.850	/ 5.9	V=	3.841	/ 8.9	W=	.013546	/ 2.3	T=	.956	/ .1
LAT= 72.0	U=	3.079	/ 5.9	V=	3.012	/ 9.0	W=	.007364	/ 2.2	T=	.536	/ .0
LAT= 78.0	U=	2.077	/ 6.0	V=	2.042	/ 9.2	W=	.002478	/ 2.6	T=	.220	/ .1
LAT= 84.0	U=	1.023	/ 6.2	V=	1.055	/ 9.7	W=	.000594	/ 4.3	T=	.051	/ .4

Z= 272.801 KM

LAT= 0.0	U=	4.048	/ 4.8	V=	0.000	/ 4.2	W=	.124124	/ 11.1	T=	4.842	/ 10.5
LAT= 6.0	U=	4.055	/ 4.8	V=	1.084	/ 7.3	W=	.120889	/ 11.1	T=	4.799	/ 10.6
LAT= 12.0	U=	4.111	/ 4.8	V=	2.103	/ 7.4	W=	.112617	/ 11.2	T=	4.678	/ 10.7
LAT= 18.0	U=	4.256	/ 4.9	V=	3.007	/ 7.5	W=	.101016	/ 11.3	T=	4.477	/ 10.9
LAT= 24.0	U=	4.481	/ 4.9	V=	3.757	/ 7.7	W=	.087594	/ 11.5	T=	4.189	/ 11.1
LAT= 30.0	U=	4.729	/ 5.0	V=	4.368	/ 7.8	W=	.073711	/ 11.8	T=	3.811	/ 11.3
LAT= 36.0	U=	4.999	/ 5.2	V=	4.788	/ 8.0	W=	.059973	/ .1	T=	3.395	/ 11.4
LAT= 42.0	U=	5.136	/ 5.3	V=	4.999	/ 8.2	W=	.046694	/ .5	T=	2.944	/ 11.6
LAT= 48.0	U=	4.998	/ 5.4	V=	5.006	/ 8.3	W=	.034980	/ .9	T=	2.431	/ 11.7
LAT= 54.0	U=	4.718	/ 5.5	V=	4.829	/ 8.5	W=	.026143	/ 1.3	T=	1.910	/ 11.9
LAT= 60.0	U=	4.339	/ 5.6	V=	4.480	/ 8.6	W=	.018564	/ 1.6	T=	1.394	/ .0
LAT= 66.0	U=	3.895	/ 5.7	V=	3.866	/ 8.7	W=	.013094	/ 1.8	T=	.982	/ .0
LAT= 72.0	U=	3.114	/ 5.7	V=	3.042	/ 8.8	W=	.006820	/ 1.7	T=	.550	/ .0
LAT= 78.0	U=	2.104	/ 5.8	V=	2.066	/ 9.0	W=	.002039	/ 2.3	T=	.229	/ .0
LAT= 84.0	U=	1.038	/ 6.0	V=	1.068	/ 9.5	W=	.000804	/ 4.4	T=	.056	/ .3

Z= 304.162 KM

LAT= 0.0	U=	3.971	/ 4.5	V=	0.000	/ 4.2	W=	.135227	/ 10.7	T=	4.867	/ 10.5
LAT= 6.0	U=	3.982	/ 4.5	V=	1.046	/ 7.1	W=	.131870	/ 10.7	T=	4.828	/ 10.6
LAT= 12.0		4.045	/ 4.6	V=	2.003	/ 7.2	W=	.123282	/ 10.8	T=	4.711	/ 10.7
LAT= 18.0	U=	4.203	/ 4.7	V=	2.921	/ 7.4	W=	.110984	/ 10.9	T=	4.517	/ 10.9
LAT= 24.0	U=	4.457	/ 4.8	V=	3.664	/ 7.5	W=	.096164	/ 11.1	T=	4.235	/ 11.0
LAT= 30.0	U=	4.747	/ 4.9	V=	4.308	/ 7.7	W=	.080398	/ 11.4	T=	3.860	/ 11.2
LAT= 36.0	U=	5.066	/ 5.0	V=	4.763	/ 7.8	W=	.064575	/ 11.7	T=	3.446	/ 11.4
LAT= 42.0	U=	5.239	/ 5.1	V=	5.009	/ 8.0	W=	.049233	/ .1	T=	2.956	/ 11.5
LAT= 48.0	U=	5.112	/ 5.2	V=	5.004	/ 8.2	W=	.035741	/ .4	T=	2.460	/ 11.7
LAT= 54.0	U=	4.825	/ 5.4	V=	4.849	/ 8.3	W=	.025787	/ .8	T=	1.952	/ 11.8
LAT= 60.0	U=	4.437	/ 5.5	V=	4.535	/ 8.5	W=	.017800	/ 1.1	T=	1.426	/ .0
LAT= 66.0	U=	3.966	/ 5.6	V=	3.943	/ 8.6	W=	.012250	/ 1.4	T=	1.004	/ .0
LAT= 72.0	U=	3.184	/ 5.6	V=	3.104	/ 8.7	W=	.006169	/ 1.1	T=	.562	/ 11.9
LAT= 78.0	U=	2.149	/ 5.6	V=	2.107	/ 8.9	W=	.001415	/ 1.7	T=	.236	/ .0
LAT= 84.0	U=	1.061	/ 5.9	V=	1.087	/ 9.4	W=	.000913	/ 4.6	T=	.059	/ .2

Z= 330.754 KM

LAT= 0.0	U=	4.010	/ 4.4	V=	0.000	/ 4.2	W=	.147195	/ 10.4	T=	4.935	/ 10.5
LAT= 6.0	U=	4.024	/ 4.4	V=	1.083	/ 7.0	W=	.143762	/ 10.4	T=	4.846	/ 10.6
LAT= 12.0	U=	4.093	/ 4.5	V=	2.013	/ 7.1	W=	.134933	/ 10.5	T=	4.781	/ 10.7
LAT= 18.0	U=	4.259	/ 4.5	V=	2.905	/ 7.3	W=	.121972	/ 10.6	T=	4.586	/ 10.9
LAT= 24.0	U=	4.531	/ 4.7	V=	3.694	/ 7.4	W=	.105693	/ 10.8	T=	4.304	/ 11.0
LAT= 30.0	U=	4.844	/ 4.8	V=	4.332	/ 7.6	W=	.087873	/ 11.1	T=	3.927	/ 11.2
LAT= 36.0	U=	5.187	/ 4.9	V=	4.813	/ 7.8	W=	.069809	/ 11.3	T=	3.509	/ 11.4
LAT= 42.0	U=	5.376	/ 5.0	V=	5.061	/ 8.0	W=	.052351	/ 11.6	T=	3.054	/ 11.5
LAT= 48.0	U=	5.251	/ 5.2	V=	5.132	/ 8.1	W=	.036980	/ 11.9	T=	2.530	/ 11.7
LAT= 54.0	U=	4.954	/ 5.3	V=	4.946	/ 8.3	W=	.025665	/ .3	T=	1.993	/ 11.8
LAT= 60.0	U=	4.552	/ 5.4	V=	4.635	/ 8.4	W=	.017131	/ .6	T=	1.456	/ 11.9
LAT= 66.0	U=	4.088	/ 5.5	V=	4.035	/ 8.5	W=	.011506	/ .8	T=	1.026	/ .0
LAT= 72.0	U=	3.259	/ 5.5	V=	3.177	/ 8.6	W=	.005789	/ .5	T=	.574	/ 11.9
LAT= 78.0	U=	2.200	/ 5.6	V=	2.155	/ 8.8	W=	.000948	/ .4	T=	.241	/ .0
LAT= 84.0	U=	1.086	/ 5.8	V=	1.106	/ 9.3	W=	.000947	/ 4.8	T=	.061	/ .2

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 368.753 KM

LAT= 0.0	U=	4.089 /	4.4	V=	0.000 /	4.2	W=	.160012 /	10.2	T=	5.024 /	10.5
LAT= 6.0	U=	4.105 /	4.4	V=	1.034 /	7.0	W=	.156541 /	10.2	T=	4.985 /	10.5
LAT= 12.0	U=	4.178 /	4.4	V=	2.021 /	7.1	W=	.147552 /	10.2	T=	4.868 /	10.7
LAT= 18.0	U=	4.351 /	4.5	V=	2.926 /	7.2	W=	.134019 /	10.4	T=	4.673 /	10.9
LAT= 24.0	U=	4.633 /	4.6	V=	3.723 /	7.4	W=	.116367 /	10.5	T=	4.387 /	11.0
LAT= 30.0	U=	4.959 /	4.7	V=	4.392 /	7.6	W=	.096523 /	10.7	T=	4.004 /	11.2
LAT= 36.0	U=	5.318 /	4.9	V=	4.893 /	7.7	W=	.076257 /	11.0	T=	3.579 /	11.4
LAT= 42.0	U=	5.517 /	5.0	V=	5.175 /	7.9	W=	.056763 /	11.2	T=	3.116 /	11.5
LAT= 48.0	U=	5.387 /	5.1	V=	5.235 /	8.1	W=	.039515 /	11.5	T=	2.583 /	11.7
LAT= 54.0	U=	5.080 /	5.2	V=	5.092 /	8.2	W=	.026627 /	11.8	T=	2.036 /	11.8
LAT= 60.0	U=	4.664 /	5.4	V=	4.738 /	8.4	W=	.017277 /	.0	T=	1.488 /	11.9
LAT= 66.0	U=	4.187 /	5.5	V=	4.128 /	8.5	W=	.011399 /	.1	T=	1.047 /	.0
LAT= 72.0	U=	3.334 /	5.5	V=	3.249 /	8.6	W=	.006015 /	11.7	T=	.586 /	11.9
LAT= 78.0	U=	2.250 /	5.6	V=	2.202 /	8.8	W=	.001250 /	10.6	T=	.247 /	.0
LAT= 84.0	U=	1.111 /	5.8	V=	1.130 /	9.3	W=	.000941 /	5.2	T=	.062 /	.2

Z= 400.753 KM

LAT= 0.0	U=	4.177 /	4.3	V=	0.000 /	4.2	W=	.173636 /	9.9	T=	5.122 /	10.5
LAT= 6.0	U=	4.194 /	4.3	V=	1.045 /	6.9	W=	.170176 /	9.9	T=	5.082 /	10.5
LAT= 12.0	U=	4.270 /	4.4	V=	2.045 /	7.1	W=	.161132 /	10.0	T=	4.964 /	10.7
LAT= 18.0	U=	4.448 /	4.5	V=	2.967 /	7.2	W=	.147167 /	10.1	T=	4.765 /	10.9
LAT= 24.0	U=	4.737 /	4.6	V=	3.792 /	7.4	W=	.128307 /	10.3	T=	4.475 /	11.0
LAT= 30.0	U=	5.072 /	4.7	V=	4.468 /	7.6	W=	.106586 /	10.5	T=	4.084 /	11.2
LAT= 36.0	U=	5.440 /	4.9	V=	4.984 /	7.7	W=	.084269 /	10.7	T=	3.652 /	11.4
LAT= 42.0	U=	5.645 /	5.0	V=	5.276 /	7.9	W=	.062907 /	10.8	T=	3.180 /	11.5
LAT= 48.0	U=	5.512 /	5.1	V=	5.340 /	8.1	W=	.043876 /	11.0	T=	2.636 /	11.7
LAT= 54.0	U=	5.195 /	5.2	V=	5.198 /	8.2	W=	.029315 /	11.2	T=	2.078 /	11.8
LAT= 60.0	U=	4.766 /	5.4	V=	4.839 /	8.4	W=	.018851 /	11.4	T=	1.519 /	11.9
LAT= 66.0	U=	4.280 /	5.4	V=	4.216 /	8.5	W=	.012388 /	11.5	T=	1.069 /	.0
LAT= 72.0	U=	3.406 /	5.5	V=	3.318 /	8.6	W=	.006991 /	11.0	T=	.599 /	11.9
LAT= 78.0	U=	2.297 /	5.5	V=	2.248 /	8.8	W=	.002109 /	9.9	T=	.252 /	11.9
LAT= 84.0	U=	1.134 /	5.8	V=	1.153 /	9.2	W=	.000931 /	5.7	T=	.064 /	.2

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 100.017 KM

LAT= 0.0	U=	2.649 /	.7	V=	0.000 /	11.4	W=	.005706 /	5.3	T=	1.000 /	6.0
LAT= 6.0	U=	2.688 /	.7	V=	.943 /	3.6	W=	.005490 /	5.3	T=	.975 /	6.0
LAT= 12.0	U=	2.801 /	.7	V=	1.804 /	3.6	W=	.004892 /	5.3	T=	.906 /	6.0
LAT= 18.0	U=	2.948 /	.7	V=	2.515 /	3.6	W=	.003995 /	5.4	T=	.804 /	6.1
LAT= 24.0	U=	3.093 /	.7	V=	3.037 /	3.7	W=	.002964 /	5.4	T=	.682 /	6.2
LAT= 30.0	U=	3.195 /	.7	V=	3.358 /	3.7	W=	.001952 /	5.6	T=	.555 /	6.2
LAT= 36.0	U=	3.224 /	.7	V=	3.484 /	3.7	W=	.001111 /	5.9	T=	.430 /	6.3
LAT= 42.0	U=	3.163 /	.7	V=	3.436 /	3.7	W=	.000562 /	6.8	T=	.316 /	6.4
LAT= 48.0	U=	3.005 /	.7	V=	3.242 /	3.7	W=	.000375 /	8.3	T=	.217 /	6.5
LAT= 54.0	U=	2.755 /	.7	V=	2.930 /	3.7	W=	.000366 /	9.4	T=	.139 /	6.6
LAT= 60.0	U=	2.416 /	.7	V=	2.530 /	3.7	W=	.000307 /	9.7	T=	.078 /	6.6
LAT= 66.0	U=	2.002 /	.7	V=	2.070 /	3.7	W=	.000241 /	10.5	T=	.040 /	7.2
LAT= 72.0	U=	1.558 /	.6	V=	1.569 /	3.6	W=	.000140 /	10.5	T=	.019 /	6.9
LAT= 78.0	U=	1.062 /	.6	V=	1.043 /	3.7	W=	.000139 /	9.5	T=	.013 /	6.1
LAT= 84.0	U=	.522 /	.7	V=	.506 /	3.7	W=	.000037 /	8.9	T=	.004 /	5.6

Z= 103.521 KM

LAT= 0.0	U=	3.057 /	.6	V=	0.000 /	5.1	W=	.008782 /	5.1	T=	1.050 /	5.5
LAT= 6.0	U=	3.097 /	.6	V=	1.050 /	3.4	W=	.008485 /	5.1	T=	1.027 /	5.5
LAT= 12.0	U=	3.211 /	.6	V=	2.010 /	3.4	W=	.007658 /	5.2	T=	.965 /	5.5
LAT= 18.0	U=	3.362 /	.6	V=	2.812 /	3.5	W=	.006419 /	5.2	T=	.866 /	5.6
LAT= 24.0	U=	3.514 /	.6	V=	3.413 /	3.5	W=	.004981 /	5.3	T=	.744 /	5.7
LAT= 30.0	U=	3.627 /	.6	V=	3.860 /	3.6	W=	.003536 /	5.4	T=	.608 /	5.8
LAT= 36.0	U=	3.671 /	.6	V=	3.977 /	3.6	W=	.002256 /	5.6	T=	.469 /	5.9
LAT= 42.0	U=	3.622 /	.7	V=	3.958 /	3.7	W=	.001246 /	5.8	T=	.339 /	6.1
LAT= 48.0	U=	3.465 /	.7	V=	3.765 /	3.7	W=	.000543 /	6.0	T=	.226 /	6.3
LAT= 54.0	U=	3.200 /	.7	V=	3.426 /	3.7	W=	.000122 /	6.9	T=	.138 /	6.5
LAT= 60.0	U=	2.823 /	.7	V=	2.972 /	3.7	W=	.000068 /	11.5	T=	.072 /	6.7
LAT= 66.0	U=	2.350 /	.7	V=	2.438 /	3.7	W=	.000187 /	.1	T=	.039 /	7.8
LAT= 72.0	U=	1.832 /	.7	V=	1.850 /	3.7	W=	.000146 /	.6	T=	.017 /	8.1
LAT= 78.0	U=	1.251 /	.7	V=	1.230 /	3.7	W=	.000073 /	10.6	T=	.011 /	6.7
LAT= 84.0	U=	.616 /	.7	V=	.597 /	3.8	W=	.000030 /	8.9	T=	.004 /	5.6

Z= 107.177 KM

LAT= 0.0	U=	3.596 /	.4	V=	0.000 /	5.0	W=	.013373 /	5.0	T=	1.263 /	4.5
LAT= 6.0	U=	3.638 /	.4	V=	1.116 /	3.3	W=	.013001 /	5.0	T=	1.240 /	4.5
LAT= 12.0	U=	3.758 /	.4	V=	2.174 /	3.4	W=	.011955 /	5.0	T=	1.173 /	4.5
LAT= 18.0	U=	3.932 /	.4	V=	3.119 /	3.4	W=	.010361 /	5.1	T=	1.061 /	4.6
LAT= 24.0	U=	4.127 /	.5	V=	3.896 /	3.4	W=	.008446 /	5.1	T=	.910 /	4.7
LAT= 30.0	U=	4.297 /	.5	V=	4.456 /	3.4	W=	.006420 /	5.2	T=	.731 /	4.8
LAT= 36.0	U=	4.396 /	.5	V=	4.765 /	3.4	W=	.004496 /	5.2	T=	.542 /	4.9
LAT= 42.0	U=	4.380 /	.5	V=	4.812 /	3.5	W=	.002843 /	5.2	T=	.363 /	5.1
LAT= 48.0	U=	4.215 /	.5	V=	4.610 /	3.5	W=	.001580 /	5.0	T=	.212 /	5.3
LAT= 54.0	U=	3.896 /	.5	V=	4.195 /	3.5	W=	.000749 /	4.5	T=	.107 /	5.9
LAT= 60.0	U=	3.427 /	.5	V=	3.622 /	3.5	W=	.000408 /	3.4	T=	.042 /	6.7
LAT= 66.0	U=	2.831 /	.5	V=	2.948 /	3.5	W=	.000290 /	1.8	T=	.041 /	8.8
LAT= 72.0	U=	2.188 /	.5	V=	2.216 /	3.5	W=	.000276 /	1.6	T=	.029 /	9.6
LAT= 78.0	U=	1.488 /	.5	V=	1.458 /	3.5	W=	.000070 /	1.4	T=	.006 /	8.4
LAT= 84.0	U=	.731 /	.5	V=	.697 /	3.6	W=	.000017 /	7.7	T=	.004 /	5.0

Z= 111.019 KM

LAT= 0.0	U=	4.408 /	.1	V=	0.000 /	4.7	W=	.020565 /	4.7	T=	2.258 /	3.2
LAT= 6.0	U=	4.449 /	.1	V=	1.331 /	3.0	W=	.020057 /	4.7	T=	2.204 /	3.2
LAT= 12.0	U=	4.569 /	.1	V=	2.594 /	3.0	W=	.018613 /	4.8	T=	2.046 /	3.2
LAT= 18.0	U=	4.742 /	.1	V=	3.719 /	3.0	W=	.016381 /	4.8	T=	1.798 /	3.3
LAT= 24.0	U=	4.932 /	.1	V=	4.639 /	3.0	W=	.013634 /	4.8	T=	1.486 /	3.3
LAT= 30.0	U=	5.090 /	.1	V=	5.289 /	3.0	W=	.010653 /	4.8	T=	1.142 /	3.3
LAT= 36.0	U=	5.164 /	.1	V=	5.628 /	3.0	W=	.007746 /	4.8	T=	.799 /	3.4
LAT= 42.0	U=	5.100 /	.1	V=	5.645 /	3.0	W=	.005170 /	4.7	T=	.494 /	3.4
LAT= 48.0	U=	4.867 /	.1	V=	5.363 /	3.0	W=	.003119 /	4.5	T=	.251 /	3.5
LAT= 54.0	U=	4.459 /	.1	V=	4.835 /	3.0	W=	.001671 /	4.2	T=	.086 /	3.7
LAT= 60.0	U=	3.893 /	.1	V=	4.134 /	3.1	W=	.000887 /	3.5	T=	.006 /	11.7
LAT= 66.0	U=	3.181 /	.1	V=	3.335 /	3.1	W=	.000386 /	2.4	T=	.056 /	9.2
LAT= 72.0	U=	2.447 /	.1	V=	2.488 /	3.1	W=	.000230 /	1.6	T=	.049 /	9.5
LAT= 78.0	U=	1.665 /	.1	V=	1.623 /	3.1	W=	.000128 /	2.3	T=	.010 /	10.2
LAT= 84.0	U=	.813 /	.1	V=	.761 /	3.3	W=	.000028 /	4.0	T=	.004 /	3.0

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 115.091 KM

LAT= 0.0	U=	5.050	/ 11.5	V=	0.000	/ 4.4	W=	.029893	/ 4.4	T=	4.166	/ 2.2
LAT= 6.0	U=	5.080	/ 11.5	V=	1.489	/ 2.3	W=	.029162	/ 4.4	T=	4.050	/ 2.2
LAT= 12.0	U=	5.166	/ 11.5	V=	2.887	/ 2.3	W=	.027088	/ 4.4	T=	3.719	/ 2.2
LAT= 18.0	U=	5.284	/ 11.5	V=	4.102	/ 2.3	W=	.023896	/ 4.4	T=	3.219	/ 2.2
LAT= 24.0	U=	5.404	/ 11.5	V=	5.060	/ 2.3	W=	.019975	/ 4.4	T=	2.617	/ 2.2
LAT= 30.0	U=	5.483	/ 11.5	V=	5.703	/ 2.3	W=	.015735	/ 4.4	T=	1.983	/ 2.2
LAT= 36.0	U=	5.474	/ 11.4	V=	5.998	/ 2.3	W=	.011594	/ 4.3	T=	1.385	/ 2.3
LAT= 42.0	U=	5.335	/ 11.4	V=	5.951	/ 2.4	W=	.007899	/ 4.3	T=	.871	/ 2.3
LAT= 48.0	U=	5.037	/ 11.4	V=	5.569	/ 2.4	W=	.004897	/ 4.2	T=	.473	/ 2.3
LAT= 54.0	U=	4.579	/ 11.5	V=	5.006	/ 2.4	W=	.002702	/ 4.1	T=	.201	/ 2.3
LAT= 60.0	U=	3.976	/ 11.5	V=	4.251	/ 2.5	W=	.001347	/ 3.7	T=	.053	/ 1.5
LAT= 66.0	U=	3.228	/ 11.6	V=	3.412	/ 2.5	W=	.000379	/ 3.5	T=	.043	/ 7.7
LAT= 72.0	U=	2.489	/ 11.6	V=	2.536	/ 2.6	W=	.000212	/ 2.0	T=	.042	/ 8.3
LAT= 78.0	U=	1.694	/ 11.6	V=	1.645	/ 2.6	W=	.000168	/ 2.7	T=	.012	/ 10.5
LAT= 84.0	U=	.824	/ 11.6	V=	.764	/ 2.8	W=	.000073	/ 3.2	T=	.007	/ .7

Z= 119.451 KM

LAT= 0.0	U=	5.296	/ 10.8	V=	0.000	/ 4.0	W=	.039865	/ 4.0	T=	6.161	/ 1.4
LAT= 6.0	U=	5.308	/ 10.8	V=	1.542	/ 1.5	W=	.038887	/ 4.0	T=	5.983	/ 1.4
LAT= 12.0	U=	5.350	/ 10.8	V=	2.972	/ 1.5	W=	.036121	/ 4.0	T=	5.486	/ 1.5
LAT= 18.0	U=	5.402	/ 10.8	V=	4.188	/ 1.5	W=	.031887	/ 4.0	T=	4.740	/ 1.5
LAT= 24.0	U=	5.443	/ 10.8	V=	5.115	/ 1.5	W=	.026711	/ 4.0	T=	3.852	/ 1.5
LAT= 30.0	U=	5.442	/ 10.7	V=	5.702	/ 1.6	W=	.021140	/ 4.0	T=	2.934	/ 1.5
LAT= 36.0	U=	5.362	/ 10.7	V=	5.934	/ 1.6	W=	.015717	/ 4.0	T=	2.079	/ 1.6
LAT= 42.0	U=	5.170	/ 10.7	V=	5.830	/ 1.6	W=	.010858	/ 4.0	T=	1.352	/ 1.7
LAT= 48.0	U=	4.842	/ 10.8	V=	5.438	/ 1.7	W=	.006888	/ 4.0	T=	.790	/ 1.8
LAT= 54.0	U=	4.378	/ 10.8	V=	4.828	/ 1.8	W=	.003939	/ 4.1	T=	.406	/ 2.0
LAT= 60.0	U=	3.787	/ 10.8	V=	4.077	/ 1.8	W=	.001955	/ 4.0	T=	.164	/ 2.2
LAT= 66.0	U=	3.069	/ 10.9	V=	3.258	/ 1.9	W=	.000764	/ 5.0	T=	.096	/ 4.2
LAT= 72.0	U=	2.373	/ 11.0	V=	2.414	/ 2.0	W=	.000281	/ 5.0	T=	.047	/ 4.8
LAT= 78.0	U=	1.608	/ 11.0	V=	1.560	/ 2.0	W=	.000201	/ 3.4	T=	.010	/ 1.3
LAT= 84.0	U=	.780	/ 11.0	V=	.719	/ 2.3	W=	.000105	/ 2.8	T=	.012	/ .1

Z= 124.175 KM

LAT= 0.0	U=	5.342	/ 10.2	V=	0.000	/ 3.6	W=	.049597	/ 3.6	T=	7.496	/ .9
LAT= 6.0	U=	5.339	/ 10.1	V=	1.575	/ .7	W=	.048398	/ 3.6	T=	7.286	/ .9
LAT= 12.0	U=	5.346	/ 10.1	V=	3.022	/ .7	W=	.045017	/ 3.6	T=	6.700	/ .9
LAT= 18.0	U=	5.350	/ 10.1	V=	4.227	/ .7	W=	.039839	/ 3.6	T=	5.820	/ 1.0
LAT= 24.0	U=	5.338	/ 10.0	V=	5.115	/ .8	W=	.033499	/ 3.7	T=	4.771	/ 1.0
LAT= 30.0	U=	5.289	/ 10.0	V=	5.642	/ .8	W=	.026671	/ 3.7	T=	3.682	/ 1.1
LAT= 36.0	U=	5.172	/ 10.0	V=	5.810	/ .9	W=	.020016	/ 3.7	T=	2.667	/ 1.2
LAT= 42.0	U=	4.954	/ 10.0	V=	5.653	/ .9	W=	.014050	/ 3.8	T=	1.801	/ 1.3
LAT= 48.0	U=	4.618	/ 10.1	V=	5.230	/ 1.0	W=	.009123	/ 3.9	T=	1.125	/ 1.5
LAT= 54.0	U=	4.164	/ 10.1	V=	4.613	/ 1.1	W=	.005481	/ 4.1	T=	.661	/ 1.9
LAT= 60.0	U=	3.592	/ 10.2	V=	3.874	/ 1.2	W=	.002878	/ 4.3	T=	.339	/ 2.2
LAT= 66.0	U=	2.915	/ 10.3	V=	3.084	/ 1.3	W=	.001647	/ 5.3	T=	.241	/ 3.3
LAT= 72.0	U=	2.253	/ 10.3	V=	2.278	/ 1.3	W=	.000819	/ 5.4	T=	.124	/ 3.3
LAT= 78.0	U=	1.518	/ 10.3	V=	1.469	/ 1.4	W=	.000294	/ 4.2	T=	.032	/ 2.2
LAT= 84.0	U=	.734	/ 10.4	V=	.674	/ 1.7	W=	.000122	/ 2.7	T=	.013	/ 0.0

Z= 129.367 KM

LAT= 0.0	U=	5.326	/ 9.5	V=	0.000	/ 3.2	W=	.058474	/ 3.2	T=	8.088	/ .5
LAT= 6.0	U=	5.315	/ 9.5	V=	1.619	/ 11.9	W=	.057111	/ 3.3	T=	7.876	/ .5
LAT= 12.0	U=	5.309	/ 9.5	V=	3.096	/ 11.9	W=	.053267	/ 3.3	T=	7.286	/ .5
LAT= 18.0	U=	5.296	/ 9.4	V=	4.304	/ .0	W=	.047349	/ 3.3	T=	6.392	/ .6
LAT= 24.0	U=	5.271	/ 9.3	V=	5.168	/ .0	W=	.040045	/ 3.3	T=	5.314	/ .7
LAT= 30.0	U=	5.212	/ 9.3	V=	5.653	/ .1	W=	.032121	/ 3.4	T=	4.181	/ .8
LAT= 36.0	U=	5.086	/ 9.3	V=	5.773	/ .2	W=	.024354	/ 3.5	T=	3.112	/ .9
LAT= 42.0	U=	4.861	/ 9.3	V=	5.574	/ .3	W=	.017357	/ 3.6	T=	2.135	/ 1.1
LAT= 48.0	U=	4.523	/ 9.4	V=	5.127	/ .3	W=	.011549	/ 3.8	T=	1.445	/ 1.4
LAT= 54.0	U=	4.079	/ 9.4	V=	4.504	/ .4	W=	.007277	/ 4.1	T=	.927	/ 1.7
LAT= 60.0	U=	3.515	/ 9.5	V=	3.774	/ .5	W=	.004079	/ 4.4	T=	.536	/ 2.1
LAT= 66.0	U=	2.868	/ 9.6	V=	2.999	/ .6	W=	.002769	/ 5.2	T=	.399	/ 2.8
LAT= 72.0	U=	2.212	/ 9.7	V=	2.213	/ .7	W=	.001476	/ 5.3	T=	.209	/ 2.8
LAT= 78.0	U=	1.480	/ 9.7	V=	1.426	/ .8	W=	.000449	/ 4.5	T=	.058	/ 2.2
LAT= 84.0	U=	.712	/ 9.8	V=	.655	/ 1.0	W=	.000140	/ 2.6	T=	.014	/ 11.7

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 135.169 KM

LAT= 0.0	U=	5.277	/	8.9	V=	0.000	/	9.0	W=	.066066	/	2.8	T=	8.188 / .1
LAT= 6.0	U=	5.269	/	8.9	V=	1.651	/	11.2	W=	.064591	/	2.9	T=	7.993 / .1
LAT= 12.0	U=	5.278	/	8.8	V=	3.151	/	11.3	W=	.060434	/	2.9	T=	7.450 / .2
LAT= 18.0	U=	5.289	/	8.7	V=	4.372	/	11.3	W=	.053988	/	2.9	T=	6.619 / .2
LAT= 24.0	U=	5.289	/	8.7	V=	5.232	/	11.4	W=	.045951	/	3.0	T=	5.597 / .3
LAT= 30.0	U=	5.253	/	8.6	V=	5.703	/	11.4	W=	.037150	/	3.1	T=	4.503 / .5
LAT= 36.0	U=	5.141	/	8.6	V=	5.804	/	11.5	W=	.028464	/	3.2	T=	3.449 / .6
LAT= 42.0	U=	4.919	/	8.6	V=	5.592	/	11.6	W=	.020587	/	3.4	T=	2.511 / .9
LAT= 48.0	U=	4.577	/	8.7	V=	5.140	/	11.7	W=	.014007	/	3.7	T=	1.739 / 1.2
LAT= 54.0	U=	4.135	/	8.8	V=	4.521	/	11.8	W=	.009171	/	4.0	T=	1.181 / 1.5
LAT= 60.0	U=	3.566	/	8.8	V=	3.797	/	11.9	W=	.005398	/	4.4	T=	.728 / 1.9
LAT= 66.0	U=	2.935	/	9.0	V=	3.027	/	.0	W=	.003933	/	5.1	T=	.544 / 2.4
LAT= 72.0	U=	2.261	/	9.0	V=	2.238	/	.1	W=	.002114	/	5.1	T=	.284 / 2.3
LAT= 78.0	U=	1.502	/	9.1	V=	1.444	/	.2	W=	.000607	/	4.4	T=	.081 / 2.0
LAT= 84.0	U=	.722	/	9.2	V=	.668	/	.5	W=	.000166	/	2.1	T=	.013 / 11.4

Z= 141.772 KM

LAT= 0.0	U=	5.221	/	8.3	V=	0.000	/	8.5	W=	.072515	/	2.4	T=	8.021 / 11.7
LAT= 6.0	U=	5.224	/	8.3	V=	1.649	/	10.6	W=	.070950	/	2.4	T=	7.850 / 11.7
LAT= 12.0	U=	5.270	/	8.2	V=	3.149	/	10.6	W=	.066540	/	2.5	T=	7.373 / 11.8
LAT= 18.0	U=	5.331	/	8.1	V=	4.375	/	10.7	W=	.059679	/	2.6	T=	6.636 / 11.9
LAT= 24.0	U=	5.381	/	8.1	V=	5.246	/	10.7	W=	.051067	/	2.7	T=	5.711 / 0.0
LAT= 30.0	U=	5.382	/	8.0	V=	5.734	/	10.8	W=	.041583	/	2.8	T=	4.696 / .2
LAT= 36.0	U=	5.292	/	8.0	V=	5.855	/	10.9	W=	.032185	/	3.0	T=	3.695 / .4
LAT= 42.0	U=	5.072	/	8.0	V=	5.663	/	11.0	W=	.023620	/	3.2	T=	2.777 / .6
LAT= 48.0	U=	4.723	/	8.1	V=	5.231	/	11.1	W=	.016404	/	3.5	T=	1.992 / .9
LAT= 54.0	U=	4.276	/	8.2	V=	4.628	/	11.2	W=	.011064	/	3.9	T=	1.403 / 1.2
LAT= 60.0	U=	3.696	/	8.3	V=	3.912	/	11.3	W=	.006742	/	4.2	T=	.899 / 1.6
LAT= 66.0	U=	3.072	/	8.4	V=	3.136	/	11.4	W=	.005033	/	4.8	T=	.666 / 1.9
LAT= 72.0	U=	2.367	/	8.4	V=	2.329	/	11.5	W=	.002679	/	4.8	T=	.347 / 1.9
LAT= 78.0	U=	1.565	/	8.5	V=	1.508	/	11.6	W=	.000755	/	4.3	T=	.101 / 1.7
LAT= 84.0	U=	.753	/	8.6	V=	.708	/	.0	W=	.000192	/	1.7	T=	.012 / 11.1

Z= 149.425 KM

LAT= 0.0	U=	5.185	/	7.7	V=	0.000	/	8.0	W=	.078366	/	2.0	T=	7.712 / 11.3
LAT= 6.0	U=	5.199	/	7.7	V=	1.610	/	10.0	W=	.076701	/	2.0	T=	7.564 / 11.3
LAT= 12.0	U=	5.281	/	7.6	V=	3.083	/	10.0	W=	.072025	/	2.1	T=	7.154 / 11.4
LAT= 18.0	U=	5.388	/	7.6	V=	4.301	/	10.1	W=	.064756	/	2.2	T=	6.514 / 11.5
LAT= 24.0	U=	5.476	/	7.5	V=	5.186	/	10.1	W=	.055628	/	2.3	T=	5.695 / 11.6
LAT= 30.0	U=	5.504	/	7.5	V=	5.704	/	10.2	W=	.045576	/	2.5	T=	4.776 / 11.8
LAT= 36.0	U=	5.426	/	7.5	V=	5.867	/	10.3	W=	.035627	/	2.7	T=	3.848 / 0.0
LAT= 42.0	U=	5.206	/	7.5	V=	5.719	/	10.4	W=	.026539	/	3.0	T=	2.969 / .3
LAT= 48.0	U=	4.851	/	7.6	V=	5.325	/	10.5	W=	.018808	/	3.3	T=	2.189 / .6
LAT= 54.0	U=	4.405	/	7.7	V=	4.747	/	10.6	W=	.013006	/	3.7	T=	1.580 / .9
LAT= 60.0	U=	3.823	/	7.7	V=	4.042	/	10.8	W=	.008144	/	4.0	T=	1.038 / 1.2
LAT= 66.0	U=	3.205	/	7.9	V=	3.260	/	10.9	W=	.006100	/	4.5	T=	.761 / 1.5
LAT= 72.0	U=	2.475	/	7.9	V=	2.432	/	11.0	W=	.003207	/	4.4	T=	.395 / 1.4
LAT= 78.0	U=	1.634	/	7.9	V=	1.582	/	11.1	W=	.000919	/	4.1	T=	.120 / 1.3
LAT= 84.0	U=	.788	/	8.1	V=	.758	/	11.6	W=	.000190	/	1.6	T=	.011 / 11.4

Z= 158.420 KM

LAT= 0.0	U=	5.194	/	7.1	V=	0.000	/	5.5	W=	.083919	/	1.6	T=	7.315 / 10.9
LAT= 6.0	U=	5.199	/	7.1	V=	1.548	/	9.4	W=	.082153	/	1.6	T=	7.188 / 10.9
LAT= 12.0	U=	5.286	/	7.0	V=	2.973	/	9.4	W=	.077211	/	1.7	T=	6.836 / 11.0
LAT= 18.0	U=	5.400	/	7.0	V=	4.165	/	9.5	W=	.069550	/	1.8	T=	6.283 / 11.1
LAT= 24.0	U=	5.488	/	7.0	V=	5.053	/	9.6	W=	.059958	/	1.9	T=	5.566 / 11.3
LAT= 30.0	U=	5.514	/	7.0	V=	5.599	/	9.7	W=	.049422	/	2.1	T=	4.746 / 11.5
LAT= 36.0	U=	5.440	/	7.0	V=	5.805	/	9.8	W=	.039039	/	2.4	T=	3.903 / 11.7
LAT= 42.0	U=	5.227	/	7.0	V=	5.706	/	9.9	W=	.029550	/	2.7	T=	3.081 / 11.9
LAT= 48.0	U=	4.884	/	7.1	V=	5.357	/	10.0	W=	.021386	/	3.0	T=	2.323 / .2
LAT= 54.0	U=	4.459	/	7.2	V=	4.815	/	10.1	W=	.015144	/	3.4	T=	1.707 / .5
LAT= 60.0	U=	3.996	/	7.2	V=	4.129	/	10.2	W=	.009725	/	3.7	T=	1.142 / .8
LAT= 66.0	U=	3.297	/	7.4	V=	3.349	/	10.4	W=	.007268	/	4.0	T=	.829 / 1.0
LAT= 72.0	U=	2.552	/	7.4	V=	2.508	/	10.5	W=	.003780	/	4.0	T=	.430 / 1.0
LAT= 78.0	U=	1.687	/	7.4	V=	1.639	/	10.7	W=	.001108	/	3.8	T=	.139 / .9
LAT= 84.0	U=	.816	/	7.7	V=	.802	/	11.2	W=	.000142	/	1.6	T=	.012 / 0.0

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 181.310 KM

LAT= 0.0	U=	5.160 /	6.0	V=	0.000 /	4.3	W=	.092948 /	.7	T=	6.317 /	10.2
LAT= 6.0	U=	5.160 /	6.0	V=	1.377 /	8.3	W=	.091048 /	.7	T=	6.226 /	10.2
LAT= 12.0	U=	5.214 /	6.0	V=	2.658 /	8.4	W=	.085765 /	.8	T=	5.972 /	10.3
LAT= 18.0	U=	5.293 /	6.0	V=	3.756 /	8.4	W=	.077622 /	.9	T=	5.574 /	10.5
LAT= 24.0	U=	5.337 /	6.0	V=	4.605 /	8.5	W=	.067498 /	1.1	T=	5.048 /	10.6
LAT= 30.0	U=	5.332 /	6.0	V=	5.172 /	8.6	W=	.056448 /	1.4	T=	4.425 /	10.9
LAT= 36.0	U=	5.262 /	6.0	V=	5.443 /	8.7	W=	.045664 /	1.6	T=	3.768 /	11.1
LAT= 42.0	U=	5.080 /	6.0	V=	5.438 /	8.9	W=	.035802 /	1.9	T=	3.094 /	11.3
LAT= 48.0	U=	4.776 /	6.1	V=	5.194 /	9.0	W=	.027103 /	2.2	T=	2.420 /	11.6
LAT= 54.0	U=	4.412 /	6.2	V=	4.752 /	9.2	W=	.020161 /	2.6	T=	1.830 /	11.8
LAT= 60.0	U=	3.914 /	6.3	V=	4.145 /	9.3	W=	.013654 /	2.9	T=	1.264 /	0.0
LAT= 66.0	U=	3.381 /	6.4	V=	3.410 /	9.4	W=	.010300 /	3.1	T=	.906 /	.1
LAT= 72.0	U=	2.623 /	6.4	V=	2.577 /	9.5	W=	.005342 /	3.0	T=	.475 /	0.0
LAT= 78.0	U=	1.735 /	6.5	V=	1.700 /	9.8	W=	.001618 /	3.1	T=	.169 /	.1
LAT= 84.0	U=	.847 /	6.8	V=	.861 /	10.3	W=	.000054 /	5.4	T=	.025 /	.5

Z= 209.865 KM

LAT= 0.0	U=	4.696 /	5.1	V=	0.000 /	4.1	W=	.097868 /	11.7	T=	5.342 /	9.8
LAT= 6.0	U=	4.690 /	5.1	V=	1.160 /	7.5	W=	.095787 /	11.8	T=	5.236 /	9.8
LAT= 12.0	U=	4.719 /	5.1	V=	2.250 /	7.5	W=	.090158 /	11.9	T=	5.121 /	9.9
LAT= 18.0	U=	4.782 /	5.1	V=	3.204 /	7.6	W=	.081724 /	.0	T=	4.857 /	10.1
LAT= 24.0	U=	4.820 /	5.1	V=	3.965 /	7.7	W=	.071594 /	.3	T=	4.490 /	10.3
LAT= 30.0	U=	4.822 /	5.2	V=	4.504 /	7.8	W=	.060801 /	.5	T=	4.030 /	10.5
LAT= 36.0	U=	4.796 /	5.2	V=	4.802 /	8.0	W=	.050373 /	.8	T=	3.528 /	10.7
LAT= 42.0	U=	4.677 /	5.3	V=	4.866 /	8.1	W=	.040749 /	1.1	T=	2.989 /	10.9
LAT= 48.0	U=	4.428 /	5.4	V=	4.727 /	8.3	W=	.032053 /	1.5	T=	2.406 /	11.1
LAT= 54.0	U=	4.134 /	5.5	V=	4.410 /	8.4	W=	.024858 /	1.8	T=	1.862 /	11.3
LAT= 60.0	U=	3.725 /	5.5	V=	3.928 /	8.5	W=	.017584 /	2.1	T=	1.318 /	11.4
LAT= 66.0	U=	3.290 /	5.6	V=	3.296 /	8.6	W=	.013485 /	2.2	T=	.946 /	11.5
LAT= 72.0	U=	2.572 /	5.6	V=	2.530 /	8.8	W=	.007149 /	2.2	T=	.504 /	11.4
LAT= 78.0	U=	1.710 /	5.7	V=	1.695 /	9.0	W=	.002424 /	2.4	T=	.192 /	11.4
LAT= 84.0	U=	.842 /	6.0	V=	.882 /	9.5	W=	.000153 /	4.1	T=	.035 /	0.0

Z= 240.988 KM

LAT= 0.0	U=	3.879 /	4.4	V=	0.000 /	4.1	W=	.103218 /	10.9	T=	4.739 /	9.6
LAT= 6.0	U=	3.877 /	4.4	V=	.965 /	6.8	W=	.100783 /	11.0	T=	4.707 /	9.7
LAT= 12.0	U=	3.902 /	4.4	V=	1.875 /	6.9	W=	.094502 /	11.1	T=	4.606 /	9.8
LAT= 18.0	U=	3.975 /	4.5	V=	2.682 /	7.0	W=	.085539 /	11.3	T=	4.430 /	10.0
LAT= 24.0	U=	4.061 /	4.5	V=	3.343 /	7.1	W=	.075327 /	11.5	T=	4.162 /	10.1
LAT= 30.0	U=	4.137 /	4.6	V=	3.835 /	7.2	W=	.064844 /	11.8	T=	3.797 /	10.3
LAT= 36.0	U=	4.213 /	4.6	V=	4.139 /	7.4	W=	.054638 /	.1	T=	3.386 /	10.5
LAT= 42.0	U=	4.196 /	4.7	V=	4.252 /	7.5	W=	.044851 /	.4	T=	2.927 /	10.7
LAT= 48.0	U=	4.017 /	4.8	V=	4.196 /	7.7	W=	.035793 /	.8	T=	2.401 /	10.8
LAT= 54.0	U=	3.784 /	4.9	V=	3.990 /	7.8	W=	.028200 /	1.1	T=	1.885 /	11.0
LAT= 60.0	U=	3.458 /	5.0	V=	3.630 /	8.0	W=	.020223 /	1.4	T=	1.353 /	11.1
LAT= 66.0	U=	3.117 /	5.1	V=	3.107 /	8.1	W=	.015487 /	1.6	T=	.974 /	11.1
LAT= 72.0	U=	2.462 /	5.1	V=	2.427 /	8.2	W=	.008233 /	1.6	T=	.527 /	11.1
LAT= 78.0	U=	1.655 /	5.2	V=	1.652 /	8.4	W=	.003122 /	1.9	T=	.211 /	11.1
LAT= 84.0	U=	.824 /	5.4	V=	.883 /	9.0	W=	.000476 /	2.9	T=	.043 /	11.5

Z= 272.801 KM

LAT= 0.0	U=	3.252 /	3.9	V=	0.000 /	4.1	W=	.111937 /	10.4	T=	4.439 /	9.5
LAT= 6.0	U=	3.256 /	3.9	V=	.834 /	6.3	W=	.109156 /	10.4	T=	4.422 /	9.6
LAT= 12.0	U=	3.286 /	3.9	V=	1.622 /	6.4	W=	.102172 /	10.5	T=	4.358 /	9.7
LAT= 18.0	U=	3.376 /	4.0	V=	2.328 /	6.5	W=	.092458 /	10.7	T=	4.230 /	9.9
LAT= 24.0	U=	3.516 /	4.0	V=	2.924 /	6.7	W=	.081594 /	10.9	T=	4.015 /	10.1
LAT= 30.0	U=	3.674 /	4.1	V=	3.393 /	6.8	W=	.070626 /	11.2	T=	3.698 /	10.2
LAT= 36.0	U=	3.854 /	4.2	V=	3.714 /	7.0	W=	.059741 /	11.6	T=	3.332 /	10.4
LAT= 42.0	U=	3.927 /	4.3	V=	3.872 /	7.1	W=	.048905 /	11.9	T=	2.913 /	10.5
LAT= 48.0	U=	3.799 /	4.4	V=	3.875 /	7.3	W=	.038806 /	.3	T=	2.416 /	10.7
LAT= 54.0	U=	3.597 /	4.5	V=	3.742 /	7.5	W=	.030458 /	.7	T=	1.912 /	10.8
LAT= 60.0	U=	3.312 /	4.6	V=	3.457 /	7.6	W=	.021688 /	1.0	T=	1.383 /	10.9
LAT= 66.0	U=	3.020 /	4.7	V=	2.999 /	7.7	W=	.016359 /	1.1	T=	.998 /	10.9
LAT= 72.0	U=	2.400 /	4.7	V=	2.366 /	7.8	W=	.008473 /	1.1	T=	.542 /	10.9
LAT= 78.0	U=	1.627 /	4.8	V=	1.629 /	8.0	W=	.003337 /	1.6	T=	.224 /	10.9
LAT= 84.0	U=	.816 /	5.0	V=	.885 /	8.6	W=	.000857 /	2.8	T=	.050 /	11.2

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 304.762 KM

LAT= 0.0	U=	2.962 /	3.5	V=	0.000 /	4.1	W=	.122396 /	10.0	T=	4.319 /	9.5
LAT= 6.0	U=	2.970 /	3.5	V=	.762 /	5.9	W=	.119363 /	10.0	T=	4.310 /	9.5
LAT= 12.0	U=	3.006 /	3.5	V=	1.484 /	6.0	W=	.111799 /	10.1	T=	4.265 /	9.7
LAT= 18.0	U=	3.109 /	3.6	V=	2.141 /	6.2	W=	.101254 /	10.3	T=	4.162 /	9.8
LAT= 24.0	U=	3.286 /	3.7	V=	2.712 /	6.4	W=	.089266 /	10.5	T=	3.971 /	10.0
LAT= 30.0	U=	3.501 /	3.8	V=	3.185 /	6.5	W=	.077077 /	10.8	T=	3.676 /	10.2
LAT= 36.0	U=	3.750 /	3.9	V=	3.532 /	6.7	W=	.064807 /	11.2	T=	3.331 /	10.3
LAT= 42.0	U=	3.881 /	4.0	V=	3.725 /	6.9	W=	.052418 /	11.6	T=	2.931 /	10.5
LAT= 48.0	U=	3.778 /	4.1	V=	3.767 /	7.0	W=	.040984 /	11.9	T=	2.444 /	10.6
LAT= 54.0	U=	3.582 /	4.2	V=	3.673 /	7.2	W=	.031779 /	.3	T=	1.942 /	10.7
LAT= 60.0	U=	3.304 /	4.4	V=	3.426 /	7.3	W=	.022290 /	.6	T=	1.410 /	10.8
LAT= 66.0	U=	3.027 /	4.4	V=	2.994 /	7.5	W=	.016499 /	.7	T=	1.016 /	10.8
LAT= 72.0	U=	2.407 /	4.4	V=	2.372 /	7.6	W=	.008203 /	.8	T=	.555 /	10.8
LAT= 78.0	U=	1.638 /	4.5	V=	1.639 /	7.8	W=	.003126 /	1.4	T=	.233 /	10.8
LAT= 84.0	U=	.824 /	4.8	V=	.895 /	8.3	W=	.001120 /	2.9	T=	.056 /	11.0

Z= 336.754 KM

LAT= 0.0	U=	2.892 /	3.3	V=	0.000 /	4.1	W=	.132910 /	9.7	T=	4.301 /	9.5
LAT= 6.0	U=	2.903 /	3.3	V=	.727 /	5.7	W=	.129701 /	9.7	T=	4.296 /	9.5
LAT= 12.0	U=	2.943 /	3.3	V=	1.420 /	5.8	W=	.121666 /	9.8	T=	4.259 /	9.6
LAT= 18.0	U=	3.056 /	3.4	V=	2.061 /	6.0	W=	.110290 /	10.0	T=	4.167 /	9.8
LAT= 24.0	U=	3.255 /	3.5	V=	2.634 /	6.2	W=	.096954 /	10.2	T=	3.988 /	10.0
LAT= 30.0	U=	3.503 /	3.6	V=	3.122 /	6.4	W=	.083149 /	10.5	T=	3.702 /	10.1
LAT= 36.0	U=	3.792 /	3.7	V=	3.495 /	6.5	W=	.069143 /	10.9	T=	3.363 /	10.3
LAT= 42.0	U=	3.955 /	3.8	V=	3.714 /	6.7	W=	.055016 /	11.2	T=	2.968 /	10.4
LAT= 48.0	U=	3.860 /	4.0	V=	3.781 /	6.9	W=	.042181 /	11.6	T=	2.482 /	10.6
LAT= 54.0	U=	3.658 /	4.1	V=	3.707 /	7.1	W=	.032147 /	.0	T=	1.977 /	10.7
LAT= 60.0	U=	3.371 /	4.2	V=	3.475 /	7.2	W=	.022132 /	.3	T=	1.437 /	10.8
LAT= 66.0	U=	3.090 /	4.3	V=	3.048 /	7.3	W=	.016094 /	.4	T=	1.035 /	10.8
LAT= 72.0	U=	2.455 /	4.3	V=	2.417 /	7.4	W=	.007663 /	.4	T=	.566 /	10.7
LAT= 78.0	U=	1.671 /	4.4	V=	1.670 /	7.6	W=	.002657 /	1.2	T=	.240 /	10.7
LAT= 84.0	U=	.842 /	4.7	V=	.912 /	8.2	W=	.001258 /	3.1	T=	.058 /	11.0

Z= 368.753 KM

LAT= 0.0	U=	2.923 /	3.1	V=	0.000 /	4.1	W=	.142763 /	9.4	T=	4.339 /	9.5
LAT= 6.0	U=	2.935 /	3.1	V=	.713 /	5.6	W=	.139427 /	9.5	T=	4.335 /	9.5
LAT= 12.0	U=	2.981 /	3.2	V=	1.399 /	5.7	W=	.131008 /	9.6	T=	4.303 /	9.6
LAT= 18.0	U=	3.099 /	3.2	V=	2.042 /	5.9	W=	.118859 /	9.7	T=	4.216 /	9.8
LAT= 24.0	U=	3.312 /	3.4	V=	2.626 /	6.1	W=	.104143 /	10.0	T=	4.039 /	10.0
LAT= 30.0	U=	3.578 /	3.5	V=	3.133 /	6.3	W=	.088591 /	10.3	T=	3.754 /	10.1
LAT= 36.0	U=	3.890 /	3.6	V=	3.527 /	6.4	W=	.072731 /	10.6	T=	3.415 /	10.3
LAT= 42.0	U=	4.068 /	3.7	V=	3.765 /	6.6	W=	.056830 /	10.9	T=	3.019 /	10.4
LAT= 48.0	U=	3.974 /	3.9	V=	3.845 /	6.8	W=	.042582 /	11.3	T=	2.528 /	10.5
LAT= 54.0	U=	3.763 /	4.0	V=	3.781 /	7.0	W=	.031727 /	11.7	T=	2.016 /	10.7
LAT= 60.0	U=	3.463 /	4.1	V=	3.555 /	7.1	W=	.021377 /	11.9	T=	1.466 /	10.8
LAT= 66.0	U=	3.173 /	4.2	V=	3.123 /	7.2	W=	.015302 /	.0	T=	1.056 /	10.7
LAT= 72.0	U=	2.516 /	4.2	V=	2.476 /	7.4	W=	.007021 /	.0	T=	.579 /	10.7
LAT= 78.0	U=	1.712 /	4.3	V=	1.709 /	7.6	W=	.002059 /	.9	T=	.245 /	10.7
LAT= 84.0	U=	.862 /	4.6	V=	.929 /	8.1	W=	.001298 /	3.3	T=	.061 /	10.9

Z= 400.753 KM

LAT= 0.0	U=	2.987 /	3.0	V=	0.000 /	4.1	W=	.151789 /	9.2	T=	4.405 /	9.5
LAT= 6.0	U=	3.000 /	3.1	V=	.712 /	5.5	W=	.148377 /	9.3	T=	4.402 /	9.5
LAT= 12.0	U=	3.048 /	3.1	V=	1.402 /	5.6	W=	.139681 /	9.4	T=	4.371 /	9.6
LAT= 18.0	U=	3.172 /	3.2	V=	2.054 /	5.8	W=	.126892 /	9.5	T=	4.285 /	9.8
LAT= 24.0	U=	3.393 /	3.3	V=	2.652 /	6.0	W=	.110909 /	9.7	T=	4.108 /	10.0
LAT= 30.0	U=	3.670 /	3.4	V=	3.177 /	6.2	W=	.093658 /	10.0	T=	3.820 /	10.1
LAT= 36.0	U=	3.996 /	3.6	V=	3.587 /	6.4	W=	.075978 /	10.3	T=	3.478 /	10.3
LAT= 42.0	U=	4.182 /	3.7	V=	3.837 /	6.6	W=	.058354 /	10.6	T=	3.076 /	10.4
LAT= 48.0	U=	4.085 /	3.8	V=	3.925 /	6.8	W=	.042688 /	11.0	T=	2.577 /	10.5
LAT= 54.0	U=	3.865 /	4.0	V=	3.865 /	6.9	W=	.030951 /	11.3	T=	2.056 /	10.7
LAT= 60.0	U=	3.553 /	4.1	V=	3.639 /	7.1	W=	.020362 /	11.6	T=	1.496 /	10.8
LAT= 66.0	U=	3.254 /	4.1	V=	3.198 /	7.2	W=	.014356 /	11.6	T=	1.078 /	10.7
LAT= 72.0	U=	2.577 /	4.2	V=	2.535 /	7.3	W=	.006450 /	11.5	T=	.590 /	10.7
LAT= 78.0	U=	1.751 /	4.3	V=	1.748 /	7.5	W=	.001437 /	.4	T=	.251 /	10.7
LAT= 84.0	U=	.882 /	4.5	V=	.949 /	8.0	W=	.001270 /	3.5	T=	.063 /	10.9

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

Z= 100.017 KM — T_o = 1400 K

LAT= 0.0	U=	2.736 /	.6	V=	0.000 /	11.1	W=	.005956 /	5.1	T=	1.000 /	6.0
LAT= 6.0	U=	2.778 /	.6	V=	.979 /	3.5	W=	.005726 /	5.1	T=	.975 /	6.1
LAT= 12.0	U=	2.894 /	.6	V=	1.869 /	3.5	W=	.005083 /	5.0	T=	.907 /	6.1
LAT= 18.0	U=	3.046 /	.6	V=	2.601 /	3.6	W=	.004116 /	5.0	T=	.806 /	6.2
LAT= 24.0	U=	3.194 /	.6	V=	3.135 /	3.6	W=	.002996 /	5.1	T=	.685 /	6.2
LAT= 30.0	U=	3.297 /	.6	V=	3.462 /	3.6	W=	.001890 /	5.1	T=	.559 /	6.3
LAT= 36.0	U=	3.326 /	.7	V=	3.591 /	3.7	W=	.000958 /	5.4	T=	.435 /	6.4
LAT= 42.0	U=	3.265 /	.7	V=	3.546 /	3.7	W=	.000343 /	6.4	T=	.321 /	6.5
LAT= 48.0	U=	3.105 /	.7	V=	3.350 /	3.7	W=	.000283 /	9.1	T=	.221 /	6.6
LAT= 54.0	U=	2.850 /	.7	V=	3.032 /	3.7	W=	.000380 /	10.0	T=	.140 /	6.7
LAT= 60.0	U=	2.507 /	.7	V=	2.622 /	3.7	W=	.000346 /	10.1	T=	.081 /	6.7
LAT= 66.0	U=	2.074 /	.7	V=	2.150 /	3.7	W=	.000264 /	10.7	T=	.039 /	7.2
LAT= 72.0	U=	1.620 /	.6	V=	1.632 /	3.7	W=	.000162 /	10.7	T=	.020 /	7.0
LAT= 78.0	U=	1.108 /	.6	V=	1.084 /	3.7	W=	.000143 /	9.7	T=	.013 /	6.3
LAT= 84.0	U=	.543 /	.7	V=	.523 /	3.7	W=	.000037 /	9.1	T=	.004 /	5.8

Z= 103.521 KM

LAT= 0.0	U=	3.114 /	.5	V=	0.000 /	4.8	W=	.009059 /	4.9	T=	.996 /	5.5
LAT= 6.0	U=	3.156 /	.5	V=	1.061 /	3.3	W=	.008744 /	4.9	T=	.976 /	5.5
LAT= 12.0	U=	3.271 /	.5	V=	2.033 /	3.4	W=	.007866 /	4.9	T=	.921 /	5.6
LAT= 18.0	U=	3.427 /	.5	V=	2.848 /	3.4	W=	.006556 /	5.0	T=	.835 /	5.6
LAT= 24.0	U=	3.586 /	.6	V=	3.467 /	3.5	W=	.005040 /	5.1	T=	.724 /	5.8
LAT= 30.0	U=	3.709 /	.6	V=	3.873 /	3.5	W=	.003526 /	5.2	T=	.598 /	5.9
LAT= 36.0	U=	3.764 /	.6	V=	4.070 /	3.6	W=	.002193 /	5.3	T=	.467 /	6.0
LAT= 42.0	U=	3.725 /	.7	V=	4.068 /	3.7	W=	.001153 /	5.5	T=	.341 /	6.2
LAT= 48.0	U=	3.577 /	.7	V=	3.885 /	3.7	W=	.000445 /	5.8	T=	.230 /	6.4
LAT= 54.0	U=	3.309 /	.7	V=	3.545 /	3.7	W=	.000038 /	7.4	T=	.141 /	6.7
LAT= 60.0	U=	2.929 /	.7	V=	3.080 /	3.7	W=	.000131 /	11.8	T=	.077 /	6.8
LAT= 66.0	U=	2.434 /	.8	V=	2.529 /	3.7	W=	.000219 /	.2	T=	.040 /	7.8
LAT= 72.0	U=	1.902 /	.7	V=	1.920 /	3.7	W=	.000167 /	.5	T=	.019 /	8.1
LAT= 78.0	U=	1.300 /	.7	V=	1.275 /	3.7	W=	.000084 /	10.9	T=	.011 /	7.1
LAT= 84.0	U=	.639 /	.7	V=	.616 /	3.8	W=	.000031 /	9.2	T=	.004 /	5.9

Z= 107.177 KM

LAT= 0.0	U=	3.655 /	.4	V=	0.000 /	4.7	W=	.013600 /	4.8	T=	1.163 /	4.4
LAT= 6.0	U=	3.697 /	.4	V=	1.107 /	3.3	W=	.013226 /	4.8	T=	1.145 /	4.4
LAT= 12.0	U=	3.823 /	.4	V=	2.168 /	3.3	W=	.012177 /	4.8	T=	1.091 /	4.4
LAT= 18.0	U=	4.006 /	.4	V=	3.132 /	3.3	W=	.010579 /	4.9	T=	.998 /	4.5
LAT= 24.0	U=	4.218 /	.4	V=	3.944 /	3.4	W=	.008655 /	5.0	T=	.866 /	4.6
LAT= 30.0	U=	4.410 /	.4	V=	4.547 /	3.4	W=	.006610 /	5.0	T=	.704 /	4.7
LAT= 36.0	U=	4.532 /	.5	V=	4.898 /	3.4	W=	.004654 /	5.1	T=	.527 /	4.8
LAT= 42.0	U=	4.533 /	.5	V=	4.975 /	3.4	W=	.002960 /	5.1	T=	.355 /	5.0
LAT= 48.0	U=	4.378 /	.5	V=	4.786 /	3.5	W=	.001654 /	4.9	T=	.210 /	5.3
LAT= 54.0	U=	4.053 /	.5	V=	4.366 /	3.5	W=	.000796 /	4.5	T=	.106 /	5.9
LAT= 60.0	U=	3.574 /	.5	V=	3.773 /	3.5	W=	.000405 /	3.4	T=	.046 /	6.8
LAT= 66.0	U=	2.943 /	.5	V=	3.072 /	3.5	W=	.000300 /	1.8	T=	.013 /	8.9
LAT= 72.0	U=	2.279 /	.5	V=	2.309 /	3.5	W=	.000271 /	1.4	T=	.003 /	9.4
LAT= 78.0	U=	1.551 /	.5	V=	1.517 /	3.6	W=	.000070 /	1.1	T=	.009 /	8.3
LAT= 84.0	U=	.760 /	.6	V=	.719 /	3.6	W=	.000019 /	8.0	T=	.005 /	5.3

Z= 111.019 KM

LAT= 0.0	U=	4.510 /	0.0	V=	0.000 /	4.6	W=	.020884 /	4.6	T=	2.332 /	3.0
LAT= 6.0	U=	4.553 /	0.0	V=	1.342 /	3.0	W=	.020392 /	4.6	T=	2.278 /	3.0
LAT= 12.0	U=	4.676 /	0.0	V=	2.620 /	2.9	W=	.018989 /	4.6	T=	2.120 /	3.0
LAT= 18.0	U=	4.854 /	0.0	V=	3.769 /	2.9	W=	.016802 /	4.6	T=	1.871 /	3.0
LAT= 24.0	U=	5.052 /	0.0	V=	4.716 /	2.9	W=	.014085 /	4.6	T=	1.556 /	3.0
LAT= 30.0	U=	5.220 /	0.0	V=	5.397 /	2.9	W=	.011102 /	4.6	T=	1.203 /	3.1
LAT= 36.0	U=	5.302 /	0.0	V=	5.762 /	2.9	W=	.008148 /	4.6	T=	.850 /	3.1
LAT= 42.0	U=	5.244 /	0.0	V=	5.794 /	2.9	W=	.005491 /	4.6	T=	.531 /	3.2
LAT= 48.0	U=	5.010 /	0.0	V=	5.516 /	3.0	W=	.003341 /	4.5	T=	.276 /	3.2
LAT= 54.0	U=	4.593 /	0.0	V=	4.981 /	3.0	W=	.001790 /	4.2	T=	.098 /	3.3
LAT= 60.0	U=	4.019 /	0.0	V=	4.263 /	3.0	W=	.000908 /	3.6	T=	.008 /	1.5
LAT= 66.0	U=	3.272 /	.1	V=	3.443 /	3.1	W=	.000369 /	2.4	T=	.056 /	9.1
LAT= 72.0	U=	2.528 /	.1	V=	2.671 /	3.1	W=	.000285 /	1.5	T=	.046 /	9.2
LAT= 78.0	U=	1.724 /	.1	V=	1.675 /	3.1	W=	.000102 /	2.4	T=	.008 /	9.5
LAT= 84.0	U=	.840 /	.1	V=	.779 /	3.2	W=	.000029 /	4.4	T=	.005 /	3.4

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 115.091 KM

LAT= 0.0	U=	5.100	/ 11.4	V=	0.000	/ 4.2	W=	.030180	/ 4.2	T=	4.592	/ 1.9
LAT= 6.0	U=	5.127	/ 11.4	V=	1.480	/ 2.2	W=	.029474	/ 4.2	T=	4.467	/ 1.9
LAT= 12.0	U=	5.210	/ 11.4	V=	2.868	/ 2.2	W=	.027469	/ 4.2	T=	4.115	/ 1.9
LAT= 18.0	U=	5.322	/ 11.4	V=	4.079	/ 2.2	W=	.024357	/ 4.2	T=	3.578	/ 1.9
LAT= 24.0	U=	5.435	/ 11.4	V=	5.037	/ 2.2	W=	.020500	/ 4.2	T=	2.930	/ 2.0
LAT= 30.0	U=	5.506	/ 11.4	V=	5.684	/ 2.2	W=	.016281	/ 4.2	T=	2.243	/ 2.0
LAT= 36.0	U=	5.491	/ 11.3	V=	5.989	/ 2.2	W=	.012104	/ 4.2	T=	1.587	/ 2.0
LAT= 42.0	U=	5.351	/ 11.3	V=	5.953	/ 2.3	W=	.008326	/ 4.2	T=	1.018	/ 2.0
LAT= 48.0	U=	5.055	/ 11.3	V=	5.612	/ 2.3	W=	.005218	/ 4.1	T=	.572	/ 2.0
LAT= 54.0	U=	4.598	/ 11.4	V=	5.029	/ 2.3	W=	.002901	/ 4.1	T=	.260	/ 2.1
LAT= 60.0	U=	4.007	/ 11.4	V=	4.280	/ 2.4	W=	.001444	/ 3.8	T=	.083	/ 1.8
LAT= 66.0	U=	3.245	/ 11.5	V=	3.443	/ 2.5	W=	.000392	/ 3.7	T=	.038	/ 7.1
LAT= 72.0	U=	2.522	/ 11.5	V=	2.565	/ 2.5	W=	.000153	/ 2.5	T=	.037	/ 7.5
LAT= 78.0	U=	1.720	/ 11.5	V=	1.663	/ 2.6	W=	.000150	/ 3.2	T=	.005	/ 11.8
LAT= 84.0	U=	.833	/ 11.6	V=	.765	/ 2.7	W=	.000075	/ 3.5	T=	.009	/ 1.2

Z= 119.451 KM

LAT= 0.0	U=	5.240	/ 10.7	V=	0.000	/ 3.9	W=	.039822	/ 3.9	T=	6.807	/ 1.2
LAT= 6.0	U=	5.249	/ 10.7	V=	1.495	/ 1.4	W=	.038881	/ 3.9	T=	6.618	/ 1.2
LAT= 12.0	U=	5.282	/ 10.7	V=	2.882	/ 1.4	W=	.036222	/ 3.9	T=	6.087	/ 1.2
LAT= 18.0	U=	5.321	/ 10.7	V=	4.065	/ 1.4	W=	.032120	/ 3.9	T=	5.287	/ 1.2
LAT= 24.0	U=	5.349	/ 10.7	V=	4.967	/ 1.4	W=	.027071	/ 3.9	T=	4.331	/ 1.2
LAT= 30.0	U=	5.336	/ 10.6	V=	5.543	/ 1.4	W=	.021588	/ 3.9	T=	3.333	/ 1.3
LAT= 36.0	U=	5.250	/ 10.6	V=	5.777	/ 1.5	W=	.016188	/ 3.9	T=	2.394	/ 1.3
LAT= 42.0	U=	5.061	/ 10.6	V=	5.689	/ 1.5	W=	.011306	/ 3.9	T=	1.585	/ 1.4
LAT= 48.0	U=	4.745	/ 10.6	V=	5.322	/ 1.6	W=	.007263	/ 3.9	T=	.954	/ 1.5
LAT= 54.0	U=	4.295	/ 10.7	V=	4.741	/ 1.7	W=	.004216	/ 4.0	T=	.509	/ 1.8
LAT= 60.0	U=	3.734	/ 10.7	V=	4.016	/ 1.7	W=	.002175	/ 4.0	T=	.231	/ 2.0
LAT= 66.0	U=	3.022	/ 10.8	V=	3.220	/ 1.8	W=	.000853	/ 4.9	T=	.118	/ 3.8
LAT= 72.0	U=	2.361	/ 10.9	V=	2.394	/ 1.9	W=	.000393	/ 5.1	T=	.065	/ 4.0
LAT= 78.0	U=	1.605	/ 10.9	V=	1.546	/ 2.0	W=	.000239	/ 3.9	T=	.023	/ 1.9
LAT= 84.0	U=	.774	/ 11.0	V=	.706	/ 2.2	W=	.000114	/ 3.2	T=	.015	/ .5

Z= 124.175 KM

LAT= 0.0	U=	5.200	/ 10.1	V=	0.000	/ 3.5	W=	.049100	/ 3.5	T=	8.143	/
LAT= 6.0	U=	5.194	/ 10.0	V=	1.497	/ .5	W=	.047953	/ 3.5	T=	7.923	/
LAT= 12.0	U=	5.191	/ 10.0	V=	2.874	/ .6	W=	.044718	/ 3.5	T=	7.311	/ .7
LAT= 18.0	U=	5.181	/ 10.0	V=	4.025	/ .6	W=	.039732	/ 3.5	T=	6.384	/ .7
LAT= 24.0	U=	5.157	/ 9.9	V=	4.875	/ .6	W=	.033595	/ 3.5	T=	5.273	/ .8
LAT= 30.0	U=	5.098	/ 9.9	V=	5.388	/ .7	W=	.026935	/ 3.6	T=	4.109	/ .9
LAT= 36.0	U=	4.979	/ 9.9	V=	5.564	/ .8	W=	.020382	/ 3.6	T=	3.012	/ .9
LAT= 42.0	U=	4.772	/ 9.9	V=	5.431	/ .8	W=	.014452	/ 3.7	T=	2.064	/ 1.1
LAT= 48.0	U=	4.458	/ 10.0	V=	5.044	/ .9	W=	.009522	/ 3.8	T=	1.316	/ 1.3
LAT= 54.0	U=	4.028	/ 10.0	V=	4.468	/ 1.0	W=	.005806	/ 4.0	T=	.787	/ 1.6
LAT= 60.0	U=	3.498	/ 10.1	V=	3.769	/ 1.1	W=	.003194	/ 4.2	T=	.426	/ 1.9
LAT= 66.0	U=	2.838	/ 10.2	V=	3.011	/ 1.2	W=	.001741	/ 5.1	T=	.277	/ 3.0
LAT= 72.0	U=	2.218	/ 10.3	V=	2.232	/ 1.3	W=	.000960	/ 5.2	T=	.154	/ 2.9
LAT= 78.0	U=	1.500	/ 10.2	V=	1.438	/ 1.3	W=	.000383	/ 4.2	T=	.049	/ 1.8
LAT= 84.0	U=	.720	/ 10.3	V=	.653	/ 1.6	W=	.000142	/ 2.9	T=	.019	/ .1

Z= 129.367 KM

LAT= 0.0	U=	5.105	/ 9.4	V=	0.000	/ 3.1	W=	.057477	/ 3.1	T=	8.626	/ .3
LAT= 6.0	U=	5.090	/ 9.4	V=	1.512	/ 11.8	W=	.056177	/ 3.1	T=	8.408	/ .3
LAT= 12.0	U=	5.075	/ 9.4	V=	2.894	/ 11.8	W=	.052520	/ 3.1	T=	7.802	/ .3
LAT= 18.0	U=	5.049	/ 9.3	V=	4.031	/ 11.9	W=	.046854	/ 3.2	T=	6.878	/ .4
LAT= 24.0	U=	5.012	/ 9.3	V=	4.861	/ 11.9	W=	.039829	/ 3.2	T=	5.756	/ .4
LAT= 30.0	U=	4.946	/ 9.2	V=	5.323	/ 0.0	W=	.032162	/ 3.3	T=	4.568	/ .5
LAT= 36.0	U=	4.824	/ 9.2	V=	5.454	/ .1	W=	.024581	/ 3.4	T=	3.432	/ .7
LAT= 42.0	U=	4.619	/ 9.2	V=	5.289	/ .2	W=	.017688	/ 3.5	T=	2.435	/ .9
LAT= 48.0	U=	4.312	/ 9.3	V=	4.868	/ .3	W=	.011932	/ 3.7	T=	1.632	/ 1.1
LAT= 54.0	U=	3.899	/ 9.4	V=	4.315	/ .4	W=	.007600	/ 4.0	T=	1.052	/ 1.5
LAT= 60.0	U=	3.386	/ 9.4	V=	3.653	/ .5	W=	.004433	/ 4.2	T=	.627	/ 1.8
LAT= 66.0	U=	2.764	/ 9.6	V=	2.898	/ .5	W=	.002831	/ 5.1	T=	.438	/ 2.5
LAT= 72.0	U=	2.157	/ 9.6	V=	2.146	/ .6	W=	.001613	/ 5.0	T=	.240	/ 2.4
LAT= 78.0	U=	1.447	/ 9.5	V=	1.381	/ .7	W=	.000554	/ 4.2	T=	.073	/ 1.7
LAT= 84.0	U=	.693	/ 9.7	V=	.627	/ 1.0	W=	.000174	/ 2.6	T=	.020	/ 11.6

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 135.169 KM

LAT= 0.0	U=	4.971 /	8.8	V=	0.000 /	8.9	W=	.064545 /	2.7	T=	8.607 /	11.9
LAT= 6.0	U=	4.958 /	8.8	V=	1.517 /	11.2	W=	.063145 /	2.7	T=	8.409 /	11.9
LAT= 12.0	U=	4.955 /	8.8	V=	2.898 /	11.2	W=	.059209 /	2.8	T=	7.859 /	0.0
LAT= 18.0	U=	4.952 /	8.7	V=	4.029 /	11.2	W=	.053071 /	2.8	T=	7.009 /	0.0
LAT= 24.0	U=	4.941 /	8.6	V=	4.836 /	11.3	W=	.045390 /	2.9	T=	5.961 /	.1
LAT= 30.0	U=	4.900 /	8.6	V=	5.290 /	11.4	W=	.036935 /	3.0	T=	4.829 /	.3
LAT= 36.0	U=	4.796 /	8.6	V=	5.407 /	11.4	W=	.028514 /	3.1	T=	3.724 /	.4
LAT= 42.0	U=	4.600 /	8.6	V=	5.233 /	11.5	W=	.020806 /	3.3	T=	2.730 /	.6
LAT= 48.0	U=	4.300 /	8.6	V=	4.834 /	11.6	W=	.014325 /	3.5	T=	1.906 /	.9
LAT= 54.0	U=	3.896 /	8.7	V=	4.271 /	11.7	W=	.009438 /	3.9	T=	1.292 /	1.3
LAT= 60.0	U=	3.386 /	8.8	V=	3.604 /	11.8	W=	.005738 /	4.2	T=	.812 /	1.6
LAT= 66.0	U=	2.788 /	8.9	V=	2.883 /	11.9	W=	.003945 /	4.9	T=	.580 /	2.1
LAT= 72.0	U=	2.171 /	9.0	V=	2.139 /	0.0	W=	.002231 /	4.8	T=	.312 /	2.0
LAT= 78.0	U=	1.446 /	9.0	V=	1.379 /	.2	W=	.000711 /	4.0	T=	.092 /	1.5
LAT= 84.0	U=	.691 /	9.1	V=	.632 /	.5	W=	.000211 /	2.0	T=	.019 /	11.1

Z= 141.772 KM

LAT= 0.0	U=	4.819 /	8.2	V=	0.000 /	8.4	W=	.070544 /	2.3	T=	8.358 /	11.5
LAT= 6.0	U=	4.817 /	8.2	V=	1.492 /	10.5	W=	.069064 /	2.3	T=	8.185 /	11.6
LAT= 12.0	U=	4.850 /	8.2	V=	2.853 /	10.6	W=	.064910 /	2.4	T=	7.706 /	11.6
LAT= 18.0	U=	4.894 /	8.1	V=	3.972 /	10.6	W=	.058408 /	2.4	T=	6.958 /	11.7
LAT= 24.0	U=	4.933 /	8.0	V=	4.776 /	10.7	W=	.050219 /	2.6	T=	6.015 /	11.8
LAT= 30.0	U=	4.933 /	8.0	V=	5.236 /	10.8	W=	.041155 /	2.7	T=	4.973 /	0.0
LAT= 36.0	U=	4.853 /	8.0	V=	5.367 /	10.8	W=	.032080 /	2.9	T=	3.931 /	.1
LAT= 42.0	U=	4.665 /	8.0	V=	5.214 /	10.9	W=	.023720 /	3.1	T=	2.964 /	.4
LAT= 48.0	U=	4.365 /	8.1	V=	4.837 /	11.1	W=	.016633 /	3.4	T=	2.137 /	.6
LAT= 54.0	U=	3.963 /	8.1	V=	4.297 /	11.2	W=	.011250 /	3.7	T=	1.499 /	1.0
LAT= 60.0	U=	3.450 /	8.2	V=	3.646 /	11.3	W=	.007039 /	4.0	T=	.973 /	1.3
LAT= 66.0	U=	2.864 /	8.4	V=	2.932 /	11.4	W=	.004994 /	4.6	T=	.696 /	1.7
LAT= 72.0	U=	2.229 /	8.4	V=	2.183 /	11.5	W=	.002772 /	4.5	T=	.371 /	1.6
LAT= 78.0	U=	1.475 /	8.5	V=	1.413 /	11.6	W=	.000847 /	3.8	T=	.109 /	1.2
LAT= 84.0	U=	.706 /	8.6	V=	.658 /	0.0	W=	.000244 /	1.5	T=	.018 /	10.6

Z= 149.425 KM

LAT= 0.0	U=	4.686 /	7.6	V=	0.000 /	7.9	W=	.076170 /	1.9	T=	8.021 /	11.1
LAT= 6.0	U=	4.695 /	7.6	V=	1.438 /	9.9	W=	.074602 /	1.9	T=	7.872 /	11.1
LAT= 12.0	U=	4.764 /	7.6	V=	2.756 /	10.0	W=	.070221 /	2.0	T=	7.461 /	11.2
LAT= 18.0	U=	4.854 /	7.5	V=	3.851 /	10.0	W=	.063361 /	2.1	T=	6.810 /	11.3
LAT= 24.0	U=	4.933 /	7.5	V=	4.653 /	10.1	W=	.054709 /	2.2	T=	5.974 /	11.4
LAT= 30.0	U=	4.963 /	7.5	V=	5.131 /	10.2	W=	.045118 /	2.4	T=	5.030 /	11.6
LAT= 36.0	U=	4.898 /	7.4	V=	5.292 /	10.3	W=	.035506 /	2.6	T=	4.063 /	11.8
LAT= 42.0	U=	4.713 /	7.5	V=	5.176 /	10.4	W=	.026610 /	2.8	T=	3.138 /	0.0
LAT= 48.0	U=	4.413 /	7.5	V=	4.834 /	10.5	W=	.018990 /	3.1	T=	2.318 /	.3
LAT= 54.0	U=	4.014 /	7.6	V=	4.323 /	10.6	W=	.013133 /	3.5	T=	1.665 /	.6
LAT= 60.0	U=	3.504 /	7.7	V=	3.691 /	10.7	W=	.008400 /	3.8	T=	1.106 /	.9
LAT= 66.0	U=	2.930 /	7.9	V=	2.985 /	10.8	W=	.006024 /	4.3	T=	.787 /	1.2
LAT= 72.0	U=	2.282 /	7.9	V=	2.233 /	11.0	W=	.003272 /	4.2	T=	.416 /	1.1
LAT= 78.0	U=	1.508 /	7.9	V=	1.453 /	11.1	W=	.000987 /	3.6	T=	.126 /	.9
LAT= 84.0	U=	.723 /	8.1	V=	.694 /	11.6	W=	.000242 /	1.3	T=	.014 /	10.5

Z= 158.420 KM

LAT= 0.0	U=	4.603 /	7.0	V=	0.000 /	5.3	W=	.081824 /	1.5	T=	7.665 /	10.7
LAT= 6.0	U=	4.615 /	7.0	V=	1.369 /	9.3	W=	.080174 /	1.5	T=	7.535 /	10.7
LAT= 12.0	U=	4.692 /	7.0	V=	2.630 /	9.4	W=	.075580 /	1.6	T=	7.178 /	10.8
LAT= 18.0	U=	4.789 /	7.0	V=	3.691 /	9.4	W=	.068396 /	1.7	T=	6.610 /	10.9
LAT= 24.0	U=	4.872 /	6.9	V=	4.483 /	9.5	W=	.059327 /	1.9	T=	5.868 /	11.0
LAT= 30.0	U=	4.906 /	6.9	V=	4.973 /	9.6	W=	.049269 /	2.0	T=	5.017 /	11.2
LAT= 36.0	U=	4.846 /	6.9	V=	5.164 /	9.7	W=	.039181 /	2.2	T=	4.126 /	11.4
LAT= 42.0	U=	4.666 /	7.0	V=	5.085 /	9.8	W=	.029799 /	2.5	T=	3.251 /	11.7
LAT= 48.0	U=	4.378 /	7.0	V=	4.784 /	9.9	W=	.021653 /	2.8	T=	2.450 /	11.9
LAT= 54.0	U=	4.000 /	7.1	V=	4.306 /	10.1	W=	.015283 /	3.2	T=	1.791 /	.2
LAT= 60.0	U=	3.510 /	7.2	V=	3.699 /	10.2	W=	.009968 /	3.4	T=	1.210 /	.5
LAT= 66.0	U=	2.956 /	7.3	V=	3.007 /	10.3	W=	.007165 /	3.9	T=	.857 /	.7
LAT= 72.0	U=	2.306 /	7.4	V=	2.258 /	10.5	W=	.003799 /	3.7	T=	.449 /	.6
LAT= 78.0	U=	1.525 /	7.4	V=	1.478 /	10.6	W=	.001129 /	3.4	T=	.142 /	.5
LAT= 84.0	U=	.736 /	7.6	V=	.725 /	11.2	W=	.000185 /	1.1	T=	.013 /	11.1

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 181.310 KM

LAT= 0.0	U=	4.594 /	5.9	V=	0.000 /	4.1	W=	.091830 /	.6	T=	6.853 /	9.9
LAT= 6.0	U=	4.594 /	5.9	V=	1.216 /	8.2	W=	.090143 /	.6	T=	6.755 /	9.9
LAT= 12.0	U=	4.646 /	5.9	V=	2.348 /	8.3	W=	.085429 /	.7	T=	6.484 /	10.0
LAT= 18.0	U=	4.711 /	5.9	V=	3.321 /	8.4	W=	.078018 /	.9	T=	6.050 /	10.1
LAT= 24.0	U=	4.755 /	5.9	V=	4.075 /	8.4	W=	.068571 /	1.0	T=	5.473 /	10.3
LAT= 30.0	U=	4.763 /	5.9	V=	4.578 /	8.5	W=	.057972 /	1.3	T=	4.793 /	10.5
LAT= 36.0	U=	4.698 /	5.9	V=	4.819 /	8.7	W=	.047257 /	1.5	T=	4.065 /	10.7
LAT= 42.0	U=	4.528 /	6.0	V=	4.815 /	8.8	W=	.037127 /	1.8	T=	3.316 /	11.0
LAT= 48.0	U=	4.265 /	6.0	V=	4.598 /	8.9	W=	.028004 /	2.1	T=	2.581 /	11.2
LAT= 54.0	U=	3.934 /	6.1	V=	4.202 /	9.0	W=	.020536 /	2.4	T=	1.938 /	11.4
LAT= 60.0	U=	3.491 /	6.2	V=	3.659 /	9.2	W=	.013901 /	2.7	T=	1.344 /	11.6
LAT= 66.0	U=	2.982 /	6.3	V=	3.008 /	9.3	W=	.010081 /	2.9	T=	.946 /	11.8
LAT= 72.0	U=	2.319 /	6.3	V=	2.277 /	9.4	W=	.005139 /	2.8	T=	.491 /	11.7
LAT= 78.0	U=	1.534 /	6.4	V=	1.508 /	9.7	W=	.001445 /	2.8	T=	.170 /	11.7
LAT= 84.0	U=	.750 /	6.7	V=	.773 /	10.2	W=	.000028 /	7.6	T=	.023 /	.1

Z= 209.865 KM

LAT= 0.0	U=	4.483 /	5.0	V=	0.000 /	4.0	W=	.096521 /	11.8	T=	5.923 /	9.4
LAT= 6.0	U=	4.478 /	5.0	V=	1.046 /	7.4	W=	.094818 /	11.8	T=	5.857 /	9.5
LAT= 12.0	U=	4.509 /	5.0	V=	2.032 /	7.4	W=	.090100 /	11.9	T=	5.666 /	9.6
LAT= 18.0	U=	4.552 /	5.0	V=	2.900 /	7.5	W=	.082724 /	.1	T=	5.358 /	9.7
LAT= 24.0	U=	4.573 /	5.0	V=	3.601 /	7.6	W=	.073401 /	.3	T=	4.934 /	9.9
LAT= 30.0	U=	4.565 /	5.0	V=	4.100 /	7.7	W=	.062950 /	.5	T=	4.411 /	10.1
LAT= 36.0	U=	4.506 /	5.1	V=	4.380 /	7.8	W=	.052415 /	.8	T=	3.837 /	10.3
LAT= 42.0	U=	4.352 /	5.1	V=	4.444 /	7.9	W=	.042398 /	1.0	T=	3.220 /	10.5
LAT= 48.0	U=	4.102 /	5.2	V=	4.312 /	8.1	W=	.033131 /	1.3	T=	2.573 /	10.7
LAT= 54.0	U=	3.805 /	5.3	V=	4.009 /	8.2	W=	.025224 /	1.6	T=	1.972 /	10.9
LAT= 60.0	U=	3.408 /	5.4	V=	3.550 /	8.3	W=	.017777 /	1.9	T=	1.396 /	11.0
LAT= 66.0	U=	2.956 /	5.4	V=	2.961 /	8.4	W=	.013232 /	2.0	T=	.987 /	11.1
LAT= 72.0	U=	2.297 /	5.4	V=	2.266 /	8.6	W=	.006847 /	1.9	T=	.517 /	11.0
LAT= 78.0	U=	1.522 /	5.5	V=	1.518 /	8.8	W=	.002109 /	2.0	T=	.189 /	11.0
LAT= 84.0	U=	.754 /	5.8	V=	.802 /	9.4	W=	.000095 /	5.3	T=	.032 /	11.7

Z= 240.988 KM

LAT= 0.0	U=	3.971 /	4.3	V=	0.000 /	4.0	W=	.098198 /	11.0	T=	5.238 /	9.2
LAT= 6.0	U=	3.968 /	4.3	V=	.882 /	6.7	W=	.096235 /	11.0	T=	5.197 /	9.3
LAT= 12.0	U=	3.986 /	4.3	V=	1.721 /	6.7	W=	.091033 /	11.1	T=	5.070 /	9.4
LAT= 18.0	U=	4.027 /	4.3	V=	2.471 /	6.8	W=	.083263 /	11.3	T=	4.855 /	9.5
LAT= 24.0	U=	4.059 /	4.3	V=	3.091 /	6.9	W=	.073987 /	11.5	T=	4.537 /	9.7
LAT= 30.0	U=	4.074 /	4.4	V=	3.551 /	7.0	W=	.063995 /	11.7	T=	4.120 /	9.9
LAT= 36.0	U=	4.062 /	4.4	V=	3.831 /	7.2	W=	.054061 /	0.0	T=	3.648 /	10.1
LAT= 42.0	U=	3.961 /	4.5	V=	3.929 /	7.3	W=	.044595 /	.3	T=	3.124 /	10.3
LAT= 48.0	U=	3.749 /	4.6	V=	3.863 /	7.4	W=	.035761 /	.7	T=	2.542 /	10.4
LAT= 54.0	U=	3.496 /	4.7	V=	3.652 /	7.6	W=	.028052 /	1.0	T=	1.975 /	10.6
LAT= 60.0	U=	3.172 /	4.7	V=	3.296 /	7.7	W=	.020392 /	1.2	T=	1.417 /	10.7
LAT= 66.0	U=	2.806 /	4.8	V=	2.800 /	7.8	W=	.015528 /	1.3	T=	1.009 /	10.7
LAT= 72.0	U=	2.197 /	4.8	V=	2.179 /	8.0	W=	.008262 /	1.3	T=	.536 /	10.6
LAT= 78.0	U=	1.469 /	4.9	V=	1.488 /	8.2	W=	.003012 /	1.5	T=	.207 /	10.6
LAT= 84.0	U=	.739 /	5.2	V=	.811 /	8.7	W=	.000361 /	2.6	T=	.041 /	11.1

Z= 272.801 KM

LAT= 0.0	U=	3.323 /	3.7	V=	0.000 /	4.0	W=	.102742 /	10.3	T=	4.850 /	9.1
LAT= 6.0	U=	3.323 /	3.7	V=	.754 /	6.1	W=	.100362 /	10.3	T=	4.825 /	9.2
LAT= 12.0	U=	3.337 /	3.7	V=	1.472 /	6.2	W=	.094349 /	10.4	T=	4.740 /	9.3
LAT= 18.0	U=	3.386 /	3.8	V=	2.118 /	6.3	W=	.085782 /	10.6	T=	4.581 /	9.5
LAT= 24.0	U=	3.456 /	3.8	V=	2.659 /	6.4	W=	.076124 /	10.8	T=	4.324 /	9.6
LAT= 30.0	U=	3.528 /	3.9	V=	3.074 /	6.5	W=	.066194 /	11.1	T=	3.965 /	9.8
LAT= 36.0	U=	3.596 /	3.9	V=	3.343 /	6.7	W=	.056287 /	11.4	T=	3.549 /	10.0
LAT= 42.0	U=	3.568 /	4.0	V=	3.461 /	6.8	W=	.046622 /	11.8	T=	3.079 /	10.1
LAT= 48.0	U=	3.400 /	4.1	V=	3.443 /	7.0	W=	.037620 /	.1	T=	2.533 /	10.3
LAT= 54.0	U=	3.188 /	4.2	V=	3.305 /	7.1	W=	.029815 /	.4	T=	1.986 /	10.4
LAT= 60.0	U=	2.925 /	4.3	V=	3.035 /	7.3	W=	.021854 /	.7	T=	1.435 /	10.5
LAT= 66.0	U=	2.632 /	4.3	V=	2.623 /	7.4	W=	.016690 /	.8	T=	1.026 /	10.5
LAT= 72.0	U=	2.082 /	4.4	V=	2.074 /	7.5	W=	.008881 /	.8	T=	.551 /	10.4
LAT= 78.0	U=	1.410 /	4.4	V=	1.442 /	7.7	W=	.003592 /	1.2	T=	.222 /	10.3
LAT= 84.0	U=	.720 /	4.7	V=	.810 /	8.2	W=	.000808 /	2.2	T=	.048 /	10.7

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 304.762 KM

LAT= 0.0	U=	2.870 /	3.3	V=	0.000 /	4.0	W=	.110328 /	9.8	T=	4.663 /	9.1
LAT= 6.0	U=	2.873 /	3.3	V=	.674 /	5.7	W=	.107594 /	9.8	T=	4.649 /	9.1
LAT= 12.0	U=	2.887 /	3.3	V=	1.312 /	5.8	W=	.100848 /	9.9	T=	4.587 /	9.3
LAT= 18.0	U=	2.946 /	3.4	V=	1.889 /	5.9	W=	.091415 /	10.1	T=	4.459 /	9.4
LAT= 24.0	U=	3.052 /	3.4	V=	2.381 /	6.0	W=	.080964 /	10.3	T=	4.235 /	9.6
LAT= 30.0	U=	3.180 /	3.5	V=	2.773 /	6.2	W=	.070437 /	10.6	T=	3.905 /	9.7
LAT= 36.0	U=	3.318 /	3.6	V=	3.044 /	6.3	W=	.059774 /	10.9	T=	3.518 /	9.9
LAT= 42.0	U=	3.352 /	3.6	V=	3.180 /	6.5	W=	.049104 /	11.3	T=	3.073 /	10.0
LAT= 48.0	U=	3.216 /	3.7	V=	3.196 /	6.7	W=	.039274 /	11.7	T=	2.546 /	10.2
LAT= 54.0	U=	3.022 /	3.9	V=	3.104 /	6.8	W=	.030991 /	0.0	T=	2.005 /	10.3
LAT= 60.0	U=	2.788 /	4.0	V=	2.888 /	6.9	W=	.022557 /	.3	T=	1.456 /	10.4
LAT= 66.0	U=	2.537 /	4.0	V=	2.526 /	7.1	W=	.017043 /	.4	T=	1.043 /	10.3
LAT= 72.0	U=	2.017 /	4.0	V=	2.016 /	7.2	W=	.008854 /	.5	T=	.564 /	10.2
LAT= 78.0	U=	1.380 /	4.1	V=	1.417 /	7.4	W=	.003687 /	1.0	T=	.233 /	10.2
LAT= 84.0	U=	.712 /	4.4	V=	.813 /	7.9	W=	.001151 /	2.2	T=	.054 /	10.5

Z= 336.754 KM

LAT= 0.0	U=	2.660 /	3.0	V=	0.000 /	4.0	W=	.118750 /	9.5	T=	4.603 /	9.1
LAT= 6.0	U=	2.664 /	3.0	V=	.630 /	5.4	W=	.115783 /	9.5	T=	4.594 /	9.1
LAT= 12.0	U=	2.680 /	3.0	V=	1.228 /	5.5	W=	.108511 /	9.6	T=	4.545 /	9.2
LAT= 18.0	U=	2.747 /	3.0	V=	1.771 /	5.6	W=	.098303 /	9.7	T=	4.433 /	9.4
LAT= 24.0	U=	2.878 /	3.1	V=	2.243 /	5.8	W=	.086843 /	10.0	T=	4.225 /	9.6
LAT= 30.0	U=	3.043 /	3.2	V=	2.631 /	5.9	W=	.075260 /	10.3	T=	3.907 /	9.7
LAT= 36.0	U=	3.228 /	3.3	V=	2.913 /	6.1	W=	.063361 /	10.6	T=	3.532 /	9.9
LAT= 42.0	U=	3.301 /	3.4	V=	3.068 /	6.3	W=	.051301 /	10.9	T=	3.098 /	10.0
LAT= 48.0	U=	3.180 /	3.5	V=	3.106 /	6.4	W=	.040367 /	11.3	T=	2.576 /	10.1
LAT= 54.0	U=	2.988 /	3.6	V=	3.040 /	6.6	W=	.031474 /	11.7	T=	2.034 /	10.2
LAT= 60.0	U=	2.761 /	3.7	V=	2.851 /	6.7	W=	.022594 /	11.9	T=	1.480 /	10.3
LAT= 66.0	U=	2.525 /	3.8	V=	2.509 /	6.8	W=	.016806 /	.1	T=	1.061 /	10.3
LAT= 72.0	U=	2.009 /	3.8	V=	2.010 /	7.0	W=	.008432 /	.1	T=	.575 /	10.2
LAT= 78.0	U=	1.380 /	3.9	V=	1.419 /	7.2	W=	.003416 /	.8	T=	.241 /	10.1
LAT= 84.0	U=	.715 /	4.2	V=	.821 /	7.7	W=	.001339 /	2.3	T=	.059 /	10.3

Z= 368.753 KM

LAT= 0.0	U=	2.607 /	2.7	V=	0.000 /	4.0	W=	.126611 /	9.2	T=	4.620 /	9.1
LAT= 6.0	U=	2.612 /	2.8	V=	.611 /	5.2	W=	.123509 /	9.2	T=	4.613 /	9.1
LAT= 12.0	U=	2.630 /	2.8	V=	1.193 /	5.3	W=	.115899 /	9.3	T=	4.569 /	9.2
LAT= 18.0	U=	2.701 /	2.9	V=	1.725 /	5.4	W=	.105058 /	9.5	T=	4.464 /	9.4
LAT= 24.0	U=	2.846 /	2.9	V=	2.194 /	5.6	W=	.092547 /	9.7	T=	4.262 /	9.5
LAT= 30.0	U=	3.034 /	3.1	V=	2.590 /	5.8	W=	.079702 /	10.0	T=	3.947 /	9.7
LAT= 36.0	U=	3.248 /	3.2	V=	2.885 /	6.0	W=	.066362 /	10.3	T=	3.575 /	9.8
LAT= 42.0	U=	3.341 /	3.3	V=	3.056 /	6.1	W=	.052795 /	10.6	T=	3.141 /	10.0
LAT= 48.0	U=	3.225 /	3.4	V=	3.108 /	6.3	W=	.040681 /	11.0	T=	2.618 /	10.1
LAT= 54.0	U=	3.028 /	3.5	V=	3.056 /	6.5	W=	.031170 /	11.4	T=	2.069 /	10.2
LAT= 60.0	U=	2.797 /	3.6	V=	2.879 /	6.6	W=	.021991 /	11.6	T=	1.508 /	10.3
LAT= 66.0	U=	2.561 /	3.7	V=	2.542 /	6.7	W=	.016083 /	11.8	T=	1.082 /	10.2
LAT= 72.0	U=	2.035 /	3.7	V=	2.038 /	6.8	W=	.007782 /	11.8	T=	.587 /	10.1
LAT= 78.0	U=	1.398 /	3.8	V=	1.440 /	7.1	W=	.002932 /	.6	T=	.249 /	10.1
LAT= 84.0	U=	.727 /	4.1	V=	.834 /	7.6	W=	.001399 /	2.4	T=	.062 /	10.3

Z= 400.753 KM

LAT= 0.0	U=	2.628 /	2.6	V=	0.000 /	4.0	W=	.133474 /	9.0	T=	4.677 /	9.1
LAT= 6.0	U=	2.634 /	2.6	V=	.606 /	5.1	W=	.130317 /	9.0	T=	4.672 /	9.1
LAT= 12.0	U=	2.654 /	2.7	V=	1.186 /	5.2	W=	.122534 /	9.1	T=	4.631 /	9.2
LAT= 18.0	U=	2.729 /	2.7	V=	1.720 /	5.3	W=	.111229 /	9.2	T=	4.528 /	9.4
LAT= 24.0	U=	2.883 /	2.8	V=	2.196 /	5.5	W=	.097755 /	9.4	T=	4.325 /	9.5
LAT= 30.0	U=	3.083 /	3.0	V=	2.603 /	5.7	W=	.083624 /	9.7	T=	4.009 /	9.7
LAT= 36.0	U=	3.311 /	3.1	V=	2.911 /	5.9	W=	.068810 /	10.0	T=	3.634 /	9.8
LAT= 42.0	U=	3.416 /	3.2	V=	3.092 /	6.1	W=	.053737 /	10.3	T=	3.196 /	10.0
LAT= 48.0	U=	3.299 /	3.3	V=	3.153 /	6.2	W=	.040417 /	10.7	T=	2.666 /	10.1
LAT= 54.0	U=	3.095 /	3.4	V=	3.106 /	6.4	W=	.030260 /	11.0	T=	2.109 /	10.2
LAT= 60.0	U=	2.856 /	3.5	V=	2.934 /	6.5	W=	.020907 /	11.3	T=	1.537 /	10.3
LAT= 66.0	U=	2.615 /	3.6	V=	2.593 /	6.7	W=	.015009 /	11.5	T=	1.102 /	10.2
LAT= 72.0	U=	2.076 /	3.6	V=	2.079 /	6.8	W=	.007024 /	11.[illegible]	T=	.599 /	10.1
LAT= 78.0	U=	1.426 /	3.7	V=	1.468 /	7.0	W=	.002342 /	.5	T=	.254 /	10.1
LAT= 84.0	U=	.741 /	4.0	V=	.850 /	7.5	W=	.001375 /	2.6	T=	.064 /	10.3

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K

T_o = 600 K

Z= 100.017 KM

LAT= 0.0	U=	0.000 / .4	V=	2.467 / 10.0	W=	.000002 / 7.7	T=	0.000 / 4.9
LAT= 6.0	U=	.249 / 1.0	V=	2.177 / 10.0	W=	.003713 / 7.8	T=	.405 / 5.7
LAT= 12.0	U=	.577 / 1.0	V=	1.385 / 10.0	W=	.006665 / 7.8	T=	.736 / 5.8
LAT= 18.0	U=	1.015 / 1.0	V=	.295 / 10.5	W=	.008365 / 8.0	T=	.939 / 5.8
LAT= 24.0	U=	1.528 / 1.0	V=	.870 / 3.9	W=	.008725 / 8.2	T=	1.000 / 6.0
LAT= 30.0	U=	2.028 / 1.1	V=	1.851 / 4.0	W=	.008006 / 8.4	T=	.938 / 6.1
LAT= 36.0	U=	2.418 / 1.1	V=	2.524 / 4.1	W=	.006639 / 8.7	T=	.786 / 6.3
LAT= 42.0	U=	2.629 / 1.1	V=	2.846 / 4.1	W=	.005038 / 9.1	T=	.596 / 6.5
LAT= 48.0	U=	2.637 / 1.2	V=	2.852 / 4.2	W=	.003513 / 9.5	T=	.409 / 6.7
LAT= 54.0	U=	2.462 / 1.2	V=	2.623 / 4.2	W=	.002246 / 9.9	T=	.251 / 7.0
LAT= 60.0	U=	2.155 / 1.2	V=	2.249 / 4.2	W=	.001318 / 10.5	T=	.137 / 7.3
LAT= 66.0	U=	1.751 / 1.2	V=	1.807 / 4.1	W=	.000718 / 11.2	T=	.063 / 7.9
LAT= 72.0	U=	1.336 / 1.1	V=	1.343 / 4.1	W=	.000412 / 11.8	T=	.032 / 8.3
LAT= 78.0	U=	.877 / 1.1	V=	.877 / 4.1	W=	.000254 / .2	T=	.015 / 9.0
LAT= 84.0	U=	.436 / 1.1	V=	.426 / 4.1	W=	.000060 / 10.8	T=	.004 / 7.6

Z= 103.521 KM

LAT= 0.0	U=	0.000 / .3	V=	3.212 / 9.6	W=	.000002 / 7.4	T=	0.000 / 4.7
LAT= 6.0	U=	.343 / .7	V=	2.873 / 9.6	W=	.004627 / 7.0	T=	.509 / 5.1
LAT= 12.0	U=	.773 / .7	V=	1.931 / 9.7	W=	.008344 / 7.1	T=	.931 / 5.1
LAT= 18.0	U=	1.336 / .7	V=	.606 / 10.4	W=	.010532 / 7.2	T=	1.204 / 5.2
LAT= 24.0	U=	2.015 / .7	V=	1.000 / 3.2	W=	.011030 / 7.4	T=	1.301 / 5.4
LAT= 30.0	U=	2.730 / .7	V=	2.392 / 3.5	W=	.010108 / 7.6	T=	1.239 / 5.5
LAT= 36.0	U=	3.366 / .8	V=	3.483 / 3.7	W=	.008295 / 8.0	T=	1.058 / 5.8
LAT= 42.0	U=	3.806 / .9	V=	4.141 / 3.8	W=	.006170 / 8.4	T=	.816 / 6.0
LAT= 48.0	U=	3.974 / .9	V=	4.340 / 3.9	W=	.004196 / 8.9	T=	.568 / 6.3
LAT= 54.0	U=	3.845 / 1.0	V=	4.136 / 4.0	W=	.002658 / 9.5	T=	.357 / 6.7
LAT= 60.0	U=	3.459 / 1.0	V=	3.634 / 4.0	W=	.001622 / 10.2	T=	.204 / 7.2
LAT= 66.0	U=	2.864 / 1.1	V=	2.957 / 4.1	W=	.000999 / 11.2	T=	.106 / 8.0
LAT= 72.0	U=	2.197 / 1.1	V=	2.202 / 4.1	W=	.000641 / 11.8	T=	.060 / 8.5
LAT= 78.0	U=	1.436 / 1.1	V=	1.433 / 4.1	W=	.000464 / 11.9	T=	.039 / 8.9
LAT= 84.0	U=	.714 / 1.1	V=	.693 / 4.1	W=	.000102 / 10.7	T=	.009 / 7.7

Z= 107.177 KM

LAT= 0.0	U=	0.000 / 11.8	V=	4.409 / 9.1	W=	.000003 / 6.9	T=	0.000 / 4.2
LAT= 6.0	U=	.499 / .2	V=	3.963 / 9.1	W=	.006069 / 6.1	T=	.687 / 4.1
LAT= 12.0	U=	1.053 / .1	V=	2.721 / 9.2	W=	.010981 / 6.1	T=	1.259 / 4.2
LAT= 18.0	U=	1.842 / .1	V=	.965 / 10.0	W=	.013916 / 6.2	T=	1.629 / 4.3
LAT= 24.0	U=	2.749 / .1	V=	1.318 / 2.3	W=	.014587 / 6.4	T=	1.758 / 4.4
LAT= 30.0	U=	3.710 / .1	V=	3.237 / 2.8	W=	.013275 / 6.6	T=	1.664 / 4.6
LAT= 36.0	U=	4.578 / .2	V=	4.737 / 3.0	W=	.010656 / 6.8	T=	1.405 / 4.8
LAT= 42.0	U=	5.197 / .2	V=	5.689 / 3.1	W=	.007569 / 7.2	T=	1.067 / 5.1
LAT= 48.0	U=	5.455 / .3	V=	6.027 / 3.2	W=	.004757 / 7.7	T=	.733 / 5.5
LAT= 54.0	U=	5.309 / .4	V=	5.758 / 3.3	W=	.002713 / 8.4	T=	.459 / 6.0
LAT= 60.0	U=	4.802 / .4	V=	5.082 / 3.4	W=	.001580 / 9.5	T=	.273 / 6.7
LAT= 66.0	U=	3.991 / .5	V=	4.148 / 3.5	W=	.001071 / 10.7	T=	.158 / 7.6
LAT= 72.0	U=	3.067 / .6	V=	3.093 / 3.6	W=	.000768 / 11.4	T=	.099 / 8.2
LAT= 78.0	U=	2.037 / .6	V=	2.011 / 3.6	W=	.000583 / 11.2	T=	.069 / 8.2
LAT= 84.0	U=	1.006 / .6	V=	.956 / 3.6	W=	.000135 / 10.1	T=	.016 / 7.1

Z= 111.919 KM

LAT= 0.0	U=	.003 / 10.9	V=	5.405 / 8.3	W=	.000005 / 6.1	T=	0.000 / 3.3
LAT= 6.0	U=	.634 / 11.4	V=	4.846 / 8.3	W=	.007997 / 5.1	T=	.933 / 2.9
LAT= 12.0	U=	1.358 / 11.4	V=	3.443 / 8.5	W=	.014498 / 5.1	T=	1.701 / 2.9
LAT= 18.0	U=	2.228 / 11.3	V=	1.569 / 9.3	W=	.018396 / 5.2	T=	2.185 / 3.0
LAT= 24.0	U=	3.230 / 11.3	V=	1.537 / .8	W=	.019330 / 5.3	T=	2.336 / 3.2
LAT= 30.0	U=	4.275 / 11.3	V=	3.650 / 1.7	W=	.017621 / 5.5	T=	2.182 / 3.4
LAT= 36.0	U=	5.220 / 11.3	V=	5.372 / 2.0	W=	.014138 / 5.6	T=	1.814 / 3.6
LAT= 42.0	U=	5.904 / 11.3	V=	6.456 / 2.2	W=	.009968 / 5.9	T=	1.353 / 3.9
LAT= 48.0	U=	6.200 / 11.4	V=	6.884 / 2.3	W=	.006092 / 6.3	T=	.910 / 4.4
LAT= 54.0	U=	6.051 / 11.5	V=	6.635 / 2.5	W=	.003172 / 6.8	T=	.565 / 5.0
LAT= 60.0	U=	5.503 / 11.6	V=	5.959 / 2.6	W=	.001511 / 7.8	T=	.344 / 5.7
LAT= 66.0	U=	4.589 / 11.7	V=	4.819 / 2.7	W=	.000907 / 9.5	T=	.210 / 6.7
LAT= 72.0	U=	3.552 / 11.8	V=	3.666 / 2.8	W=	.000698 / 10.4	T=	.139 / 7.3
LAT= 78.0	U=	2.411 / 11.9	V=	2.342 / 2.9	W=	.000552 / 9.9	T=	.090 / 6.9
LAT= 84.0	U=	1.176 / 11.9	V=	1.085 / 2.9	W=	.000127 / 8.9	T=	.021 / 5.9

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 600 K

Z= 115.091 KM

LAT= 0.0	U=	.004	9.8	V=	5.913	7.5	W=	.000005	5.1	T=	0.000	2.3
LAT= 6.0	U=	.716	10.5	V=	5.409	7.5	W=	.010065	4.1	T=	1.193	1.6
LAT= 12.0	U=	1.487	10.5	V=	4.020	7.8	W=	.018296	4.2	T=	2.171	1.7
LAT= 18.0	U=	2.348	10.4	V=	2.191	8.6	W=	.023374	4.3	T=	2.780	1.8
LAT= 24.0	U=	3.288	10.4	V=	1.726	11.2	W=	.024805	4.3	T=	2.961	1.9
LAT= 30.0	U=	4.245	10.3	V=	3.483	.5	W=	.022963	4.5	T=	2.760	2.1
LAT= 36.0	U=	5.105	10.4	V=	5.203	.9	W=	.018863	4.6	T=	2.294	2.4
LAT= 42.0	U=	5.732	10.4	V=	6.330	1.1	W=	.013792	4.8	T=	1.716	2.7
LAT= 48.0	U=	6.013	10.5	V=	6.753	1.4	W=	.008916	5.1	T=	1.162	3.1
LAT= 54.0	U=	5.887	10.6	V=	6.533	1.5	W=	.005019	5.4	T=	.725	3.6
LAT= 60.0	U=	5.392	10.7	V=	5.819	1.7	W=	.002478	6.0	T=	.437	4.3
LAT= 66.0	U=	4.519	10.9	V=	4.798	1.9	W=	.001087	7.1	T=	.258	5.2
LAT= 72.0	U=	3.541	11.0	V=	3.611	2.0	W=	.000638	8.2	T=	.164	5.7
LAT= 78.0	U=	2.453	11.1	V=	2.347	2.1	W=	.000540	7.9	T=	.099	5.3
LAT= 84.0	U=	1.184	11.1	V=	1.063	2.2	W=	.000143	6.6	T=	.023	4.1

Z= 119.451 KM

LAT= 0.0	U=	.004	8.9	V=	6.034	6.7	W=	.000005	4.1	T=	0.000	1.6
LAT= 6.0	U=	.738	9.7	V=	5.566	6.7	W=	.012097	3.4	T=	1.383	.6
LAT= 12.0	U=	1.499	9.6	V=	4.288	7.0	W=	.022100	3.4	T=	2.522	.7
LAT= 18.0	U=	2.298	9.5	V=	2.634	7.7	W=	.028485	3.5	T=	3.242	.8
LAT= 24.0	U=	3.126	9.5	V=	1.942	9.8	W=	.030646	3.6	T=	3.479	.9
LAT= 30.0	U=	3.942	9.5	V=	3.215	11.3	W=	.028945	3.7	T=	3.282	1.1
LAT= 36.0	U=	4.669	9.5	V=	4.725	11.8	W=	.024487	3.8	T=	2.783	1.4
LAT= 42.0	U=	5.202	9.5	V=	5.755	.2	W=	.018707	4.0	T=	2.146	1.6
LAT= 48.0	U=	5.448	9.6	V=	6.163	.4	W=	.012925	4.3	T=	1.517	2.0
LAT= 54.0	U=	5.347	9.8	V=	5.990	.7	W=	.008056	4.6	T=	.993	2.4
LAT= 60.0	U=	4.929	9.9	V=	5.362	.9	W=	.004601	5.0	T=	.621	3.0
LAT= 66.0	U=	4.155	10.1	V=	4.444	1.1	W=	.002309	5.6	T=	.361	3.6
LAT= 72.0	U=	3.298	10.2	V=	3.361	1.2	W=	.001290	6.2	T=	.219	4.0
LAT= 78.0	U=	2.321	10.3	V=	2.190	1.3	W=	.000859	6.1	T=	.119	3.6
LAT= 84.0	U=	1.109	10.4	V=	.976	1.5	W=	.000259	5.0	T=	.028	2.3

Z= 124.175 KM

LAT= 0.0	U=	.004	8.2	V=	5.943	5.9	W=	.000005	3.0	T=	0.000	1.0
LAT= 6.0	U=	.730	8.9	V=	5.515	6.0	W=	.014071	2.7	T=	1.461	11.9
LAT= 12.0	U=	1.459	8.8	V=	4.352	6.3	W=	.025845	2.7	T=	2.675	11.9
LAT= 18.0	U=	2.193	8.7	V=	2.862	7.0	W=	.033622	2.8	T=	3.468	12.0
LAT= 24.0	U=	2.924	8.7	V=	2.103	8.6	W=	.036670	2.9	T=	3.770	.2
LAT= 30.0	U=	3.630	8.6	V=	2.999	10.2	W=	.035302	3.1	T=	3.624	.4
LAT= 36.0	U=	4.254	8.6	V=	4.285	10.9	W=	.030668	3.2	T=	3.158	.6
LAT= 42.0	U=	4.716	8.7	V=	5.205	11.3	W=	.024310	3.4	T=	2.530	.9
LAT= 48.0	U=	4.930	8.8	V=	5.584	11.6	W=	.017692	3.7	T=	1.881	1.2
LAT= 54.0	U=	4.848	8.9	V=	5.447	11.8	W=	.011859	4.0	T=	1.306	1.6
LAT= 60.0	U=	4.494	9.1	V=	4.897	.1	W=	.007449	4.4	T=	.864	2.0
LAT= 66.0	U=	3.807	9.3	V=	4.074	.3	W=	.004198	4.9	T=	.524	2.5
LAT= 72.0	U=	3.050	9.5	V=	3.094	.4	W=	.002498	5.3	T=	.316	2.8
LAT= 78.0	U=	2.162	9.6	V=	2.023	.6	W=	.001417	5.0	T=	.154	2.4
LAT= 84.0	U=	1.027	9.6	V=	.899	.8	W=	.000391	4.0	T=	.031	1.2

Z= 129.367 KM

LAT= 0.0	U=	.003	7.7	V=	5.786	5.2	W=	.000005	1.8	T=	0.000	.7
LAT= 6.0	U=	.703	8.2	V=	5.391	5.3	W=	.015954	2.1	T=	1.448	11.3
LAT= 12.0	U=	1.396	8.1	V=	4.318	5.5	W=	.029447	2.2	T=	2.668	11.3
LAT= 18.0	U=	2.082	8.0	V=	2.949	6.2	W=	.038630	2.2	T=	3.493	11.5
LAT= 24.0	U=	2.760	7.9	V=	2.174	7.7	W=	.042647	2.4	T=	3.855	11.6
LAT= 30.0	U=	3.407	7.8	V=	2.828	9.2	W=	.041735	2.5	T=	3.782	11.8
LAT= 36.0	U=	3.978	7.8	V=	3.944	10.0	W=	.037063	2.7	T=	3.387	.1
LAT= 42.0	U=	4.401	7.9	V=	4.778	10.4	W=	.030253	3.0	T=	2.812	.3
LAT= 48.0	U=	4.600	8.0	V=	5.141	10.8	W=	.022884	3.3	T=	2.182	.7
LAT= 54.0	U=	4.529	8.1	V=	5.042	11.0	W=	.016129	3.6	T=	1.591	1.0
LAT= 60.0	U=	4.218	8.3	V=	4.562	11.3	W=	.010760	4.0	T=	1.104	1.4
LAT= 66.0	U=	3.593	8.5	V=	3.819	11.5	W=	.006509	4.5	T=	.697	1.8
LAT= 72.0	U=	2.897	8.7	V=	2.918	11.7	W=	.004006	4.7	T=	.423	2.0
LAT= 78.0	U=	2.054	8.8	V=	1.919	11.9	W=	.002047	4.4	T=	.191	1.6
LAT= 84.0	U=	.974	8.8	V=	.864	.1	W=	.000466	3.2	T=	.030	.8

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 135.169 KM

LAT= 0.0	U=	.003	/ 7.5	V=	5.652	/ 4.5	W=	.000006	/ .9	T=	0.000	/ .4
LAT= 6.0	U=	.668	/ 7.5	V=	5.281	/ 4.6	W=	.017733	/ 1.6	T=	1.389	/ 10.8
LAT= 12.0	U=	1.329	/ 7.4	V=	4.278	/ 4.9	W=	.032848	/ 1.6	T=	2.574	/ 10.9
LAT= 18.0	U=	1.998	/ 7.2	V=	2.990	/ 5.5	W=	.043364	/ 1.7	T=	3.407	/ 11.0
LAT= 24.0	U=	2.666	/ 7.1	V=	2.193	/ 6.9	W=	.048319	/ 1.9	T=	3.816	/ 11.2
LAT= 30.0	U=	3.307	/ 7.1	V=	2.675	/ 8.4	W=	.047895	/ 2.1	T=	3.820	/ 11.4
LAT= 36.0	U=	3.870	/ 7.1	V=	3.681	/ 9.2	W=	.043273	/ 2.3	T=	3.509	/ 11.6
LAT= 42.0	U=	4.286	/ 7.1	V=	4.476	/ 9.7	W=	.036133	/ 2.6	T=	3.002	/ 11.9
LAT= 48.0	U=	4.481	/ 7.3	V=	4.855	/ 10.0	W=	.028137	/ 2.9	T=	2.413	/ .2
LAT= 54.0	U=	4.418	/ 7.4	V=	4.808	/ 10.3	W=	.020557	/ 3.3	T=	1.824	/ .6
LAT= 60.0	U=	4.133	/ 7.6	V=	4.400	/ 10.5	W=	.014280	/ 3.7	T=	1.309	/ .9
LAT= 66.0	U=	3.544	/ 7.8	V=	3.724	/ 10.8	W=	.009045	/ 4.1	T=	.852	/ 1.3
LAT= 72.0	U=	2.874	/ 7.9	V=	2.875	/ 11.0	W=	.005664	/ 4.3	T=	.522	/ 1.4
LAT= 78.0	U=	2.030	/ 8.0	V=	1.910	/ 11.1	W=	.002670	/ 3.9	T=	.223	/ 1.1
LAT= 84.0	U=	.966	/ 8.1	V=	.881	/ 11.5	W=	.000469	/ 2.4	T=	.029	/ .7

Z= 141.772 KM

LAT= 0.0	U=	.002	/ 7.3	V=	5.577	/ 3.9	W=	.000008	/ .3	T=	0.000	/ .2
LAT= 6.0	U=	.633	/ 6.8	V=	5.230	/ 3.9	W=	.019495	/ 1.1	T=	1.314	/ 10.4
LAT= 12.0	U=	1.276	/ 6.7	V=	4.284	/ 4.2	W=	.036164	/ 1.1	T=	2.448	/ 10.5
LAT= 18.0	U=	1.951	/ 6.6	V=	3.056	/ 4.8	W=	.047890	/ 1.3	T=	3.271	/ 10.6
LAT= 24.0	U=	2.644	/ 6.5	V=	2.219	/ 6.1	W=	.053647	/ 1.4	T=	3.716	/ 10.8
LAT= 30.0	U=	3.307	/ 6.4	V=	2.548	/ 7.6	W=	.053626	/ 1.7	T=	3.786	/ 11.0
LAT= 36.0	U=	3.887	/ 6.5	V=	3.479	/ 8.5	W=	.049058	/ 1.9	T=	3.555	/ 11.3
LAT= 42.0	U=	4.311	/ 6.5	V=	4.275	/ 9.0	W=	.041682	/ 2.2	T=	3.121	/ 11.6
LAT= 48.0	U=	4.511	/ 6.7	V=	4.698	/ 9.3	W=	.033197	/ 2.6	T=	2.578	/ 11.9
LAT= 54.0	U=	4.455	/ 6.8	V=	4.720	/ 9.6	W=	.024928	/ 3.0	T=	2.003	/ .2
LAT= 60.0	U=	4.190	/ 7.0	V=	4.383	/ 9.9	W=	.017830	/ 3.4	T=	1.473	/ .5
LAT= 66.0	U=	3.622	/ 7.1	V=	3.764	/ 10.1	W=	.011656	/ 3.8	T=	.981	/ .8
LAT= 72.0	U=	2.961	/ 7.3	V=	2.948	/ 10.3	W=	.007378	/ 4.0	T=	.604	/ .9
LAT= 78.0	U=	2.085	/ 7.4	V=	1.985	/ 10.5	W=	.003277	/ 3.5	T=	.253	/ .7
LAT= 84.0	U=	.998	/ 7.5	V=	.946	/ 10.9	W=	.000422	/ 1.9	T=	.032	/ .7

Z= 149.425 KM

LAT= 0.0	U=	.002	/ 7.1	V=	5.574	/ 3.3	W=	.000010	/ .0	T=	.001	/ 12.0
LAT= 6.0	U=	.606	/ 6.1	V=	5.246	/ 3.3	W=	.021353	/ .6	T=	1.236	/ 10.0
LAT= 12.0	U=	1.240	/ 6.0	V=	4.348	/ 3.6	W=	.039576	/ .7	T=	2.316	/ 10.1
LAT= 18.0	U=	1.932	/ 6.0	V=	3.166	/ 4.2	W=	.052389	/ .8	T=	3.119	/ 10.3
LAT= 24.0	U=	2.653	/ 5.9	V=	2.284	/ 5.3	W=	.058767	/ 1.0	T=	3.584	/ 10.5
LAT= 30.0	U=	3.342	/ 5.9	V=	2.464	/ 6.9	W=	.058988	/ 1.3	T=	3.708	/ 10.7
LAT= 36.0	U=	3.941	/ 5.9	V=	3.327	/ 7.8	W=	.054409	/ 1.6	T=	3.548	/ 11.0
LAT= 42.0	U=	4.379	/ 6.0	V=	4.134	/ 8.4	W=	.046834	/ 1.9	T=	3.182	/ 11.3
LAT= 48.0	U=	4.587	/ 6.2	V=	4.612	/ 8.7	W=	.037976	/ 2.3	T=	2.686	/ 11.6
LAT= 54.0	U=	4.542	/ 6.3	V=	4.706	/ 9.1	W=	.029158	/ 2.7	T=	2.133	/ 11.9
LAT= 60.0	U=	4.299	/ 6.5	V=	4.440	/ 9.3	W=	.021337	/ 3.1	T=	1.597	/ .2
LAT= 66.0	U=	3.751	/ 6.6	V=	3.872	/ 9.6	W=	.014273	/ 3.5	T=	1.081	/ .5
LAT= 72.0	U=	3.097	/ 6.7	V=	3.076	/ 9.8	W=	.009095	/ 3.7	T=	.671	/ .6
LAT= 78.0	U=	2.180	/ 6.8	V=	2.102	/ 10.0	W=	.003873	/ 3.3	T=	.279	/ .4
LAT= 84.0	U=	1.049	/ 6.9	V=	1.035	/ 10.4	W=	.000344	/ 2.0	T=	.040	/ .7

Z= 158.420 KM

LAT= 0.0	U=	.002	/ 6.9	V=	5.636	/ 2.7	W=	.000012	/ 11.8	T=	0.000	/ 11.8
LAT= 6.0	U=	.591	/ 5.4	V=	5.322	/ 2.8	W=	.023279	/ .1	T=	1.167	/ 9.7
LAT= 12.0	U=	1.220	/ 5.4	V=	4.457	/ 3.0	W=	.043041	/ .2	T=	2.194	/ 9.8
LAT= 18.0	U=	1.916	/ 5.4	V=	3.303	/ 3.6	W=	.056826	/ .4	T=	2.974	/ 10.0
LAT= 24.0	U=	2.649	/ 5.4	V=	2.379	/ 4.7	W=	.063653	/ .6	T=	3.449	/ 10.2
LAT= 30.0	U=	3.351	/ 5.4	V=	2.416	/ 6.2	W=	.063971	/ .9	T=	3.613	/ 10.5
LAT= 36.0	U=	3.968	/ 5.5	V=	3.206	/ 7.2	W=	.059301	/ 1.2	T=	3.511	/ 10.7
LAT= 42.0	U=	4.427	/ 5.6	V=	4.020	/ 7.8	W=	.051535	/ 1.6	T=	3.205	/ 11.0
LAT= 48.0	U=	4.656	/ 5.7	V=	4.549	/ 8.2	W=	.042388	/ 2.0	T=	2.755	/ 11.3
LAT= 54.0	U=	4.635	/ 5.9	V=	4.715	/ 8.6	W=	.033154	/ 2.4	T=	2.225	/ 11.6
LAT= 60.0	U=	4.422	/ 6.0	V=	4.520	/ 8.8	W=	.024725	/ 2.8	T=	1.690	/ 11.9
LAT= 66.0	U=	3.899	/ 6.2	V=	4.001	/ 9.1	W=	.016824	/ 3.2	T=	1.158	/ .2
LAT= 72.0	U=	3.262	/ 6.3	V=	3.222	/ 9.3	W=	.010743	/ 3.4	T=	.722	/ .3
LAT= 78.0	U=	2.290	/ 6.3	V=	2.230	/ 9.5	W=	.004416	/ 3.1	T=	.301	/ .1
LAT= 84.0	U=	1.111	/ 6.5	V=	1.131	/ 9.9	W=	.000355	/ 3.3	T=	.050	/ .5

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 600 K

Z= 181.310 KM

LAT= 0.0	U=	0.000	/ 6.5	V=	5.866	/ 1.9	W=	.000017	/ 11.4	T=	0.000	/ 11.5
LAT= 6.0	U=	.599	/ 4.2	V=	5.561	/ 1.9	W=	.026421	/ 11.4	T=	1.080	/ 9.3
LAT= 12.0	U=	1.232	/ 4.3	V=	4.724	/ 2.2	W=	.048611	/ 11.5	T=	2.039	/ 9.5
LAT= 18.0	U=	1.929	/ 4.3	V=	3.585	/ 2.7	W=	.063806	/ 11.7	T=	2.786	/ 9.7
LAT= 24.0	U=	2.675	/ 4.5	V=	2.586	/ 3.6	W=	.071170	/ 11.9	T=	3.272	/ 9.9
LAT= 30.0	U=	3.410	/ 4.6	V=	2.392	/ 5.1	W=	.071491	/ .2	T=	3.487	/ 10.2
LAT= 36.0	U=	4.088	/ 4.7	V=	3.045	/ 6.3	W=	.066556	/ .5	T=	3.461	/ 10.4
LAT= 42.0	U=	4.618	/ 4.8	V=	3.868	/ 6.9	W=	.058388	/ .9	T=	3.235	/ 10.7
LAT= 48.0	U=	4.911	/ 5.0	V=	4.488	/ 7.4	W=	.048803	/ 1.4	T=	2.851	/ 11.0
LAT= 54.0	U=	4.946	/ 5.1	V=	4.786	/ 7.8	W=	.039119	/ 1.8	T=	2.354	/ 11.3
LAT= 60.0	U=	4.779	/ 5.3	V=	4.729	/ 8.1	W=	.029996	/ 2.2	T=	1.820	/ 11.6
LAT= 66.0	U=	4.287	/ 5.5	V=	4.309	/ 8.3	W=	.020863	/ 2.7	T=	1.264	/ 11.8
LAT= 72.0	U=	3.625	/ 5.5	V=	3.551	/ 8.5	W=	.013197	/ 2.8	T=	.794	/ 11.9
LAT= 78.0	U=	2.542	/ 5.6	V=	2.497	/ 8.8	W=	.005021	/ 2.8	T=	.338	/ 11.8
LAT= 84.0	U=	1.251	/ 5.8	V=	1.312	/ 9.2	W=	.001063	/ 4.5	T=	.073	/ .2

Z= 209.865 KM

LAT= 0.0	U=	0.000	/ 6.2	V=	6.084	/ 1.3	W=	.000020	/ 11.2	T=	0.000	/ 11.4
LAT= 6.0	U=	.639	/ 3.5	V=	5.783	/ 1.4	W=	.027904	/ 10.7	T=	1.062	/ 9.2
LAT= 12.0	U=	1.305	/ 3.5	V=	4.953	/ 1.6	W=	.051288	/ 10.8	T=	2.008	/ 9.3
LAT= 18.0	U=	2.028	/ 3.7	V=	3.815	/ 2.1	W=	.067206	/ 11.0	T=	2.753	/ 9.5
LAT= 24.0	U=	2.811	/ 3.8	V=	2.768	/ 3.0	W=	.074758	/ 11.2	T=	3.253	/ 9.7
LAT= 30.0	U=	3.600	/ 4.0	V=	2.438	/ 4.4	W=	.074789	/ 11.5	T=	3.496	/ 10.0
LAT= 36.0	U=	4.354	/ 4.2	V=	3.006	/ 5.7	W=	.069166	/ 11.9	T=	3.505	/ 10.3
LAT= 42.0	U=	4.961	/ 4.4	V=	3.853	/ 6.4	W=	.060085	/ .3	T=	3.315	/ 10.6
LAT= 48.0	U=	5.309	/ 4.5	V=	4.550	/ 6.9	W=	.049711	/ .8	T=	2.955	/ 10.9
LAT= 54.0	U=	5.373	/ 4.7	V=	4.948	/ 7.3	W=	.039731	/ 1.3	T=	2.468	/ 11.2
LAT= 60.0	U=	5.214	/ 4.9	V=	4.988	/ 7.7	W=	.030743	/ 1.8	T=	1.923	/ 11.4
LAT= 66.0	U=	4.708	/ 5.0	V=	4.634	/ 7.9	W=	.021570	/ 2.2	T=	1.344	/ 11.7
LAT= 72.0	U=	4.001	/ 5.1	V=	3.875	/ 8.1	W=	.013323	/ 2.4	T=	.846	/ 11.7
LAT= 78.0	U=	2.788	/ 5.2	V=	2.740	/ 8.3	W=	.004504	/ 2.5	T=	.364	/ 11.7
LAT= 84.0	U=	1.379	/ 5.4	V=	1.452	/ 8.8	W=	.001783	/ 4.6	T=	.089	/ 12.0

Z= 240.988 KM

LAT= 0.0	U=	0.000	/ 6.0	V=	6.239	/ 1.1	W=	.000024	/ 10.9	T=	0.000	/ 11.4
LAT= 6.0	U=	.685	/ 3.1	V=	5.941	/ 1.1	W=	.028930	/ 10.2	T=	1.076	/ 9.1
LAT= 12.0	U=	1.392	/ 3.2	V=	5.117	/ 1.4	W=	.053301	/ 10.3	T=	2.037	/ 9.2
LAT= 18.0	U=	2.153	/ 3.3	V=	3.978	/ 1.8	W=	.069986	/ 10.4	T=	2.797	/ 9.4
LAT= 24.0	U=	2.976	/ 3.5	V=	2.904	/ 2.7	W=	.077719	/ 10.6	T=	3.313	/ 9.7
LAT= 30.0	U=	3.817	/ 3.7	V=	2.505	/ 4.1	W=	.077106	/ 10.9	T=	3.571	/ 10.0
LAT= 36.0	U=	4.630	/ 3.9	V=	3.039	/ 5.4	W=	.070034	/ 11.3	T=	3.595	/ 10.2
LAT= 42.0	U=	5.288	/ 4.1	V=	3.915	/ 6.2	W=	.059054	/ 11.7	T=	3.414	/ 10.5
LAT= 48.0	U=	5.669	/ 4.3	V=	4.669	/ 6.7	W=	.046897	/ .2	T=	3.057	/ 10.8
LAT= 54.0	U=	5.743	/ 4.5	V=	5.128	/ 7.1	W=	.035951	/ .8	T=	2.563	/ 11.1
LAT= 60.0	U=	5.575	/ 4.7	V=	5.219	/ 7.5	W=	.027279	/ 1.3	T=	2.003	/ 11.3
LAT= 66.0	U=	5.040	/ 4.9	V=	4.897	/ 7.7	W=	.019043	/ 1.8	T=	1.401	/ 11.6
LAT= 72.0	U=	4.285	/ 4.9	V=	4.123	/ 7.9	W=	.011344	/ 2.0	T=	.883	/ 11.7
LAT= 78.0	U=	2.973	/ 5.0	V=	2.919	/ 8.1	W=	.003006	/ 2.2	T=	.382	/ 11.7
LAT= 84.0	U=	1.474	/ 5.2	V=	1.543	/ 8.6	W=	.002196	/ 4.8	T=	.097	/ 12.0

Z= 272.801 KM

LAT= 0.0	U=	0.000	/ 5.9	V=	6.360	/ .9	W=	.000028	/ 10.7	T=	0.000	/ 11.3
LAT= 6.0	U=	.721	/ 2.9	V=	6.063	/ 1.0	W=	.030651	/ 9.6	T=	1.103	/ 9.1
LAT= 12.0	U=	1.464	/ 3.0	V=	5.242	/ 1.3	W=	.056717	/ 9.7	T=	2.087	/ 9.2
LAT= 18.0	U=	2.258	/ 3.2	V=	4.098	/ 1.7	W=	.074840	/ 9.9	T=	2.868	/ 9.4
LAT= 24.0	U=	3.115	/ 3.4	V=	3.003	/ 2.6	W=	.083240	/ 10.1	T=	3.400	/ 9.7
LAT= 30.0	U=	3.993	/ 3.6	V=	2.569	/ 3.9	W=	.082125	/ 10.3	T=	3.669	/ 9.9
LAT= 36.0	U=	4.844	/ 3.8	V=	3.093	/ 5.2	W=	.073359	/ 10.6	T=	3.698	/ 10.2
LAT= 42.0	U=	5.535	/ 4.0	V=	3.994	/ 6.0	W=	.059870	/ 11.0	T=	3.517	/ 10.5
LAT= 48.0	U=	5.936	/ 4.2	V=	4.768	/ 6.6	W=	.044898	/ 11.5	T=	3.154	/ 10.8
LAT= 54.0	U=	6.012	/ 4.4	V=	5.263	/ 7.0	W=	.031587	/ .0	T=	2.647	/ 11.1
LAT= 60.0	U=	5.834	/ 4.6	V=	5.398	/ 7.4	W=	.022204	/ .6	T=	2.071	/ 11.3
LAT= 66.0	U=	5.275	/ 4.8	V=	5.068	/ 7.6	W=	.014844	/ 1.2	T=	1.450	/ 11.6
LAT= 72.0	U=	4.483	/ 4.9	V=	4.300	/ 7.8	W=	.008333	/ 1.3	T=	.914	/ 11.6
LAT= 78.0	U=	3.103	/ 4.9	V=	3.044	/ 8.1	W=	.001184	/ .8	T=	.398	/ 11.8
LAT= 84.0	U=	1.540	/ 5.1	V=	1.604	/ 8.5	W=	.002416	/ 5.1	T=	.102	/ 11.9

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 5° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 304.762 KM

LAT= 0.0	U=	0.000 /	5.9	V=	6.474 /	.9	W=	.000032 /	10.6	T=	0.000 /	11.3
LAT= 6.0	U=	.748 /	2.8	V=	6.177 /	1.0	W=	.033681 /	9.2	T=	1.133 /	9.1
LAT= 12.0	U=	1.517 /	2.9	V=	5.352 /	1.2	W=	.062677 /	9.2	T=	2.145 /	9.2
LAT= 18.0	U=	2.338 /	3.1	V=	4.197 /	1.7	W=	.083344 /	9.4	T=	2.947 /	9.4
LAT= 24.0	U=	3.223 /	3.3	V=	3.082 /	2.5	W=	.093348 /	9.5	T=	3.495 /	9.7
LAT= 30.0	U=	4.128 /	3.5	V=	2.627 /	3.9	W=	.092444 /	9.8	T=	3.773 /	9.9
LAT= 36.0	U=	5.006 /	3.8	V=	3.150 /	5.2	W=	.082478 /	10.0	T=	3.804 /	10.2
LAT= 42.0	U=	5.721 /	4.0	V=	4.075 /	6.0	W=	.066736 /	10.3	T=	3.620 /	10.5
LAT= 48.0	U=	6.134 /	4.2	V=	4.896 /	6.6	W=	.048768 /	10.6	T=	3.248 /	10.8
LAT= 54.0	U=	6.212 /	4.4	V=	5.415 /	7.0	W=	.032045 /	11.0	T=	2.728 /	11.1
LAT= 60.0	U=	6.026 /	4.6	V=	5.543 /	7.3	W=	.019994 /	11.5	T=	2.135 /	11.3
LAT= 66.0	U=	5.448 /	4.7	V=	5.236 /	7.6	W=	.011820 /	.0	T=	1.496 /	11.6
LAT= 72.0	U=	4.629 /	4.8	V=	4.432 /	7.8	W=	.006351 /	.0	T=	.942 /	11.6
LAT= 78.0	U=	3.200 /	4.9	V=	3.137 /	8.0	W=	.002354 /	9.6	T=	.409 /	11.6
LAT= 84.0	U=	1.589 /	5.1	V=	1.649 /	8.5	W=	.002611 /	5.5	T=	.106 /	11.9

Z= 336.754 KM

LAT= 0.0	U=	0.000 /	5.9	V=	6.591 /	.9	W=	.000037 /	10.4	T=	0.000 /	11.3
LAT= 6.0	U=	.770 /	2.8	V=	6.292 /	.9	W=	.038277 /	8.7	T=	1.164 /	9.1
LAT= 12.0	U=	1.561 /	2.9	V=	5.457 /	1.2	W=	.071658 /	8.8	T=	2.202 /	9.2
LAT= 18.0	U=	2.403 /	3.1	V=	4.286 /	1.6	W=	.096142 /	8.9	T=	3.027 /	9.4
LAT= 24.0	U=	3.310 /	3.3	V=	3.151 /	2.5	W=	.108836 /	9.1	T=	3.590 /	9.7
LAT= 30.0	U=	4.239 /	3.5	V=	2.681 /	3.8	W=	.109037 /	9.3	T=	3.876 /	9.9
LAT= 36.0	U=	5.139 /	3.7	V=	3.210 /	5.1	W=	.098637 /	9.5	T=	3.909 /	10.2
LAT= 42.0	U=	5.871 /	4.0	V=	4.154 /	6.0	W=	.081300 /	9.7	T=	3.721 /	10.5
LAT= 48.0	U=	6.294 /	4.2	V=	4.998 /	6.5	W=	.060856 /	9.9	T=	3.339 /	10.8
LAT= 54.0	U=	6.374 /	4.4	V=	5.534 /	7.0	W=	.040937 /	10.1	T=	2.805 /	11.1
LAT= 60.0	U=	6.182 /	4.5	V=	5.670 /	7.3	W=	.025436 /	10.3	T=	2.196 /	11.3
LAT= 66.0	U=	5.588 /	4.7	V=	5.361 /	7.6	W=	.014497 /	10.6	T=	1.538 /	11.6
LAT= 72.0	U=	4.747 /	4.8	V=	4.542 /	7.8	W=	.008736 /	10.4	T=	.969 /	11.6
LAT= 78.0	U=	3.279 /	4.8	V=	3.215 /	8.0	W=	.005301 /	9.1	T=	.420 /	11.6
LAT= 84.0	U=	1.629 /	5.1	V=	1.687 /	8.5	W=	.002898 /	5.9	T=	.110 /	11.9

Z= 368.753 KM

LAT= 0.0	U=	0.000 /	5.9	V=	6.712 /	.8	W=	.000041 /	10.3	T=	0.000 /	11.3
LAT= 6.0	U=	.789 /	2.7	V=	6.408 /	.9	W=	.044325 /	8.4	T=	1.193 /	9.1
LAT= 12.0	U=	1.598 /	2.9	V=	5.561 /	1.2	W=	.083422 /	8.5	T=	2.258 /	9.2
LAT= 18.0	U=	2.459 /	3.0	V=	4.371 /	1.6	W=	.112859 /	8.6	T=	3.103 /	9.4
LAT= 24.0	U=	3.387 /	3.3	V=	3.216 /	2.5	W=	.129173 /	8.8	T=	3.680 /	9.7
LAT= 30.0	U=	4.335 /	3.5	V=	2.734 /	3.8	W=	.131215 /	8.9	T=	3.974 /	9.9
LAT= 36.0	U=	5.255 /	3.7	V=	3.270 /	5.1	W=	.120954 /	9.1	T=	4.008 /	10.2
LAT= 42.0	U=	6.002 /	3.9	V=	4.234 /	6.0	W=	.102420 /	9.3	T=	3.815 /	10.5
LAT= 48.0	U=	6.435 /	4.1	V=	5.097 /	6.5	W=	.079699 /	9.4	T=	3.424 /	10.8
LAT= 54.0	U=	6.517 /	4.3	V=	5.647 /	6.9	W=	.056588 /	9.5	T=	2.877 /	11.1
LAT= 60.0	U=	6.320 /	4.5	V=	5.789 /	7.3	W=	.037335 /	9.6	T=	2.252 /	11.3
LAT= 66.0	U=	5.712 /	4.7	V=	5.474 /	7.6	W=	.022582 /	9.8	T=	1.577 /	11.5
LAT= 72.0	U=	4.853 /	4.8	V=	4.640 /	7.8	W=	.014427 /	9.7	T=	.994 /	11.6
LAT= 78.0	U=	3.351 /	4.8	V=	3.285 /	8.0	W=	.008654 /	8.9	T=	.431 /	11.6
LAT= 84.0	U=	1.665 /	5.1	V=	1.722 /	8.5	W=	.003328 /	6.4	T=	.113 /	11.9

Z= 400.753 KM

LAT= 0.0	U=	0.000 /	5.9	V=	6.838 /	.8	W=	.000046 /	10.2	T=	0.000 /	11.3
LAT= 6.0	U=	.805 /	2.7	V=	6.528 /	.9	W=	.051370 /	8.1	T=	1.220 /	9.1
LAT= 12.0	U=	1.632 /	2.9	V=	5.667 /	1.1	W=	.097088 /	8.2	T=	2.310 /	9.2
LAT= 18.0	U=	2.510 /	3.0	V=	4.456 /	1.6	W=	.132245 /	8.3	T=	3.174 /	9.4
LAT= 24.0	U=	3.457 /	3.3	V=	3.279 /	2.5	W=	.152807 /	8.5	T=	3.764 /	9.7
LAT= 30.0	U=	4.425 /	3.5	V=	2.786 /	3.8	W=	.157191 /	8.6	T=	4.064 /	9.9
LAT= 36.0	U=	5.363 /	3.7	V=	3.331 /	5.1	W=	.147435 /	8.8	T=	4.100 /	10.2
LAT= 42.0	U=	6.126 /	3.9	V=	4.315 /	6.0	W=	.127875 /	9.0	T=	3.903 /	10.5
LAT= 48.0	U=	6.567 /	4.1	V=	5.196 /	6.5	W=	.102789 /	9.1	T=	3.502 /	10.8
LAT= 54.0	U=	6.650 /	4.3	V=	5.757 /	6.9	W=	.076134 /	9.2	T=	2.942 /	11.1
LAT= 60.0	U=	6.448 /	4.5	V=	5.903 /	7.3	W=	.052591 /	9.3	T=	2.303 /	11.3
LAT= 66.0	U=	5.829 /	4.7	V=	5.584 /	7.6	W=	.033217 /	9.4	T=	1.613 /	11.5
LAT= 72.0	U=	4.951 /	4.8	V=	4.734 /	7.8	W=	.021469 /	9.4	T=	1.017 /	11.6
LAT= 78.0	U=	3.419 /	4.8	V=	3.351 /	8.0	W=	.012247 /	8.8	T=	.440 /	11.6
LAT= 84.0	U=	1.698 /	5.1	V=	1.756 /	8.5	W=	.003881 /	6.7	T=	.115 /	11.9

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_e = 800 K

Z= 100.017 KM

LAT= 0.0	U=	0.000 /	.3	V=	2.578 /	9.8	W=	.000001 /	7.6	T=	0.000 /	4.9
LAT= 6.0	U=	.254 /	1.0	V=	2.268 /	9.9	W=	.003926 /	7.7	T=	.409 /	5.7
LAT= 12.0	U=	.592 /	.9	V=	1.428 /	10.0	W=	.006990 /	7.8	T=	.740 /	5.7
LAT= 18.0	U=	1.047 /	.9	V=	.331 /	11.1	W=	.008675 /	8.0	T=	.940 /	5.9
LAT= 24.0	U=	1.575 /	.9	V=	.955 /	3.5	W=	.008956 /	8.2	T=	1.000 /	6.0
LAT= 30.0	U=	2.080 /	1.0	V=	1.936 /	3.8	W=	.008203 /	8.5	T=	.938 /	6.2
LAT= 36.0	U=	2.464 /	1.1	V=	2.595 /	4.0	W=	.006909 /	8.9	T=	.796 /	6.5
LAT= 42.0	U=	2.662 /	1.2	V=	2.897 /	4.1	W=	.005455 /	9.4	T=	.616 /	6.7
LAT= 48.0	U=	2.658 /	1.3	V=	2.886 /	4.3	W=	.004044 /	9.9	T=	.433 /	7.0
LAT= 54.0	U=	2.476 /	1.4	V=	2.644 /	4.4	W=	.002790 /	10.3	T=	.276 /	7.3
LAT= 60.0	U=	2.158 /	1.4	V=	2.259 /	4.4	W=	.001755 /	10.8	T=	.157 /	7.6
LAT= 66.0	U=	1.755 /	1.5	V=	1.804 /	4.5	W=	.001056 /	11.4	T=	.083 /	8.2
LAT= 72.0	U=	1.324 /	1.5	V=	1.330 /	4.5	W=	.000620 /	11.8	T=	.043 /	8.6
LAT= 78.0	U=	.859 /	1.5	V=	.863 /	4.5	W=	.000355 /	.3	T=	.019 /	9.1
LAT= 84.0	U=	.428 /	1.5	V=	.418 /	4.5	W=	.000063 /	10.7	T=	.004 /	7.3

Z= 103.521 KM

LAT= 0.0	U=	.001 /	.3	V=	3.005 /	9.5	W=	.000002 /	7.3	T=	0.000 /	4.6
LAT= 6.0	U=	.325 /	.7	V=	2.701 /	9.6	W=	.004314 /	6.9	T=	.484 /	5.0
LAT= 12.0	U=	.726 /	.7	V=	1.858 /	9.8	W=	.007805 /	7.0	T=	.891 /	5.1
LAT= 18.0	U=	1.248 /	.6	V=	.703 /	10.7	W=	.009932 /	7.2	T=	1.164 /	5.3
LAT= 24.0	U=	1.881 /	.7	V=	.916 /	2.8	W=	.010564 /	7.4	T=	1.280 /	5.4
LAT= 30.0	U=	2.564 /	.8	V=	2.197 /	3.4	W=	.009940 /	7.7	T=	1.247 /	5.6
LAT= 36.0	U=	3.204 /	.9	V=	3.281 /	3.7	W=	.008493 /	8.1	T=	1.096 /	5.9
LAT= 42.0	U=	3.696 /	1.0	V=	4.007 /	3.9	W=	.006667 /	8.5	T=	.876 /	6.1
LAT= 48.0	U=	3.948 /	1.1	V=	4.313 /	4.1	W=	.004824 /	9.0	T=	.634 /	6.4
LAT= 54.0	U=	3.912 /	1.3	V=	4.212 /	4.2	W=	.003224 /	9.5	T=	.415 /	6.8
LAT= 60.0	U=	3.590 /	1.4	V=	3.780 /	4.4	W=	.001984 /	10.1	T=	.243 /	7.1
LAT= 66.0	U=	3.038 /	1.4	V=	3.124 /	4.4	W=	.001197 /	10.8	T=	.133 /	7.8
LAT= 72.0	U=	2.352 /	1.5	V=	2.350 /	4.5	W=	.000725 /	11.3	T=	.073 /	8.2
LAT= 78.0	U=	1.550 /	1.6	V=	1.543 /	4.5	W=	.000478 /	11.7	T=	.041 /	8.7
LAT= 84.0	U=	.770 /	1.5	V=	.751 /	4.6	W=	.000096 /	10.3	T=	.009 /	7.2

Z= 107.177 KM

LAT= 0.0	U=	.001 /	11.9	V=	4.243 /	9.2	W=	.000004 /	6.8	T=	0.000 /	4.1
LAT= 6.0	U=	.474 /	.3	V=	3.841 /	9.2	W=	.005422 /	6.0	T=	.700 /	4.1
LAT= 12.0	U=	1.046 /	.2	V=	2.706 /	9.3	W=	.009926 /	6.1	T=	1.297 /	4.1
LAT= 18.0	U=	1.779 /	.2	V=	1.074 /	10.0	W=	.012835 /	6.2	T=	1.710 /	4.2
LAT= 24.0	U=	2.669 /	.2	V=	1.142 /	2.3	W=	.013860 /	6.4	T=	1.894 /	4.4
LAT= 30.0	U=	3.645 /	.3	V=	3.024 /	2.9	W=	.013137 /	6.6	T=	1.849 /	4.5
LAT= 36.0	U=	4.572 /	.3	V=	4.644 /	3.1	W=	.011123 /	6.8	T=	1.618 /	4.7
LAT= 42.0	U=	5.288 /	.4	V=	5.740 /	3.3	W=	.008453 /	7.1	T=	1.277 /	5.0
LAT= 48.0	U=	5.661 /	.4	V=	6.210 /	3.4	W=	.005755 /	7.5	T=	.908 /	5.3
LAT= 54.0	U=	5.612 /	.5	V=	6.078 /	3.5	W=	.003521 /	8.0	T=	.580 /	5.7
LAT= 60.0	U=	5.157 /	.6	V=	5.457 /	3.6	W=	.001959 /	8.7	T=	.336 /	6.1
LAT= 66.0	U=	4.353 /	.7	V=	4.513 /	3.7	W=	.001108 /	9.7	T=	.182 /	6.9
LAT= 72.0	U=	3.377 /	.7	V=	3.397 /	3.7	W=	.000702 /	10.5	T=	.107 /	7.5
LAT= 78.0	U=	2.265 /	.8	V=	2.224 /	3.8	W=	.000488 /	10.5	T=	.067 /	7.6
LAT= 84.0	U=	1.114 /	.8	V=	1.060 /	3.8	W=	.000112 /	9.4	T=	.016 /	6.4

Z= 111.019 KM

LAT= 0.0	U=	.004 /	10.9	V=	5.342 /	8.3	W=	.000004 /	5.7	T=	.001 /	3.0
LAT= 6.0	U=	.628 /	11.4	V=	4.865 /	8.4	W=	.007327 /	4.9	T=	1.123 /	2.6
LAT= 12.0	U=	1.347 /	11.4	V=	3.521 /	8.5	W=	.013423 /	4.9	T=	2.067 /	2.7
LAT= 18.0	U=	2.218 /	11.4	V=	1.616 /	9.2	W=	.017365 /	5.0	T=	2.693 /	2.7
LAT= 24.0	U=	3.240 /	11.3	V=	1.307 /	.8	W=	.018747 /	5.1	T=	2.938 /	2.9
LAT= 30.0	U=	4.338 /	11.3	V=	3.448 /	1.8	W=	.017726 /	5.3	T=	2.815 /	3.0
LAT= 36.0	U=	5.377 /	11.3	V=	5.373 /	2.0	W=	.014922 /	5.5	T=	2.411 /	3.2
LAT= 42.0	U=	6.185 /	11.4	V=	6.693 /	2.2	W=	.011213 /	5.7	T=	1.856 /	3.5
LAT= 48.0	U=	6.609 /	11.4	V=	7.279 /	2.3	W=	.007476 /	6.0	T=	1.286 /	3.8
LAT= 54.0	U=	6.562 /	11.5	V=	7.153 /	2.4	W=	.004382 /	6.3	T=	.803 /	4.2
LAT= 60.0	U=	6.061 /	11.6	V=	6.451 /	2.5	W=	.002238 /	6.9	T=	.459 /	4.8
LAT= 66.0	U=	5.120 /	11.6	V=	5.364 /	2.6	W=	.001091 /	8.0	T=	.251 /	5.7
LAT= 72.0	U=	4.017 /	11.7	V=	4.056 /	2.7	W=	.000667 /	8.9	T=	.159 /	6.2
LAT= 78.0	U=	2.748 /	11.8	V=	2.652 /	2.8	W=	.000474 /	8.7	T=	.097 /	5.9
LAT= 84.0	U=	1.335 /	11.8	V=	1.229 /	2.9	W=	.000114 /	7.5	T=	.024 /	4.8

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 115.091 KM

LAT= 0.0	U=	.004	/ 9.8	V=	5.729	/ 7.4	W=	.000005	/ 4.4	T=	.001	/ 1.6
LAT= 6.0	U=	.690	/ 10.5	V=	5.263	/ 7.5	W=	.009453	/ 3.9	T=	1.673	/ 1.2
LAT= 12.0	U=	1.440	/ 10.4	V=	3.960	/ 7.7	W=	.017349	/ 3.9	T=	3.063	/ 1.2
LAT= 18.0	U=	2.288	/ 10.4	V=	2.161	/ 8.3	W=	.022518	/ 4.0	T=	3.962	/ 1.3
LAT= 24.0	U=	3.238	/ 10.3	V=	1.446	/ 11.0	W=	.024442	/ 4.1	T=	4.282	/ 1.4
LAT= 30.0	U=	4.236	/ 10.3	V=	3.215	/ .4	W=	.023311	/ 4.2	T=	4.067	/ 1.6
LAT= 36.0	U=	5.176	/ 10.3	V=	5.058	/ .8	W=	.019888	/ 4.3	T=	3.459	/ 1.7
LAT= 42.0	U=	5.917	/ 10.3	V=	6.364	/ 1.1	W=	.015251	/ 4.5	T=	2.652	/ 2.0
LAT= 48.0	U=	6.325	/ 10.4	V=	6.978	/ 1.2	W=	.010483	/ 4.7	T=	1.836	/ 2.2
LAT= 54.0	U=	6.307	/ 10.5	V=	6.914	/ 1.4	W=	.006410	/ 4.9	T=	1.148	/ 2.6
LAT= 60.0	U=	5.875	/ 10.6	V=	6.287	/ 1.5	W=	.003450	/ 5.3	T=	.656	/ 3.1
LAT= 66.0	U=	4.989	/ 10.7	V=	5.273	/ 1.7	W=	.001623	/ 6.0	T=	.352	/ 3.9
LAT= 72.0	U=	3.989	/ 10.8	V=	4.018	/ 1.8	W=	.000886	/ 6.7	T=	.221	/ 4.4
LAT= 78.0	U=	2.773	/ 10.8	V=	2.629	/ 1.9	W=	.000592	/ 6.5	T=	.130	/ 3.9
LAT= 84.0	U=	1.327	/ 10.9	V=	1.190	/ 2.0	W=	.000181	/ 5.3	T=	.038	/ 2.6

Z= 119.451 KM

LAT= 0.0	U=	.004	/ 8.7	V=	5.616	/ 6.6	W=	.000005	/ 3.1	T=	.001	/ .4
LAT= 6.0	U=	.674	/ 9.5	V=	5.201	/ 6.6	W=	.011517	/ 3.0	T=	2.094	/ .1
LAT= 12.0	U=	1.375	/ 9.5	V=	4.047	/ 6.8	W=	.021223	/ 3.1	T=	3.841	/ .1
LAT= 18.0	U=	2.123	/ 9.4	V=	2.494	/ 7.5	W=	.027743	/ 3.1	T=	4.983	/ .2
LAT= 24.0	U=	2.922	/ 9.4	V=	1.659	/ 9.5	W=	.030439	/ 3.2	T=	5.416	/ .3
LAT= 30.0	U=	3.745	/ 9.3	V=	2.833	/ 11.1	W=	.029488	/ 3.3	T=	5.192	/ .4
LAT= 36.0	U=	4.518	/ 9.3	V=	4.375	/ 11.7	W=	.025723	/ 3.4	T=	4.481	/ .6
LAT= 42.0	U=	5.136	/ 9.3	V=	5.517	/ .0	W=	.020358	/ 3.5	T=	3.513	/ .8
LAT= 48.0	U=	5.489	/ 9.4	V=	6.079	/ .2	W=	.014646	/ 3.7	T=	2.513	/ 1.0
LAT= 54.0	U=	5.493	/ 9.5	V=	6.057	/ .4	W=	.009557	/ 4.0	T=	1.645	/ 1.3
LAT= 60.0	U=	5.155	/ 9.6	V=	5.541	/ .6	W=	.005656	/ 4.2	T=	.993	/ 1.7
LAT= 66.0	U=	4.401	/ 9.8	V=	4.675	/ .7	W=	.002960	/ 4.8	T=	.554	/ 2.3
LAT= 72.0	U=	3.584	/ 9.9	V=	3.582	/ .9	W=	.001715	/ 5.1	T=	.342	/ 2.6
LAT= 78.0	U=	2.519	/ 10.0	V=	2.343	/ 1.0	W=	.000981	/ 4.9	T=	.182	/ 2.1
LAT= 84.0	U=	1.190	/ 10.0	V=	1.040	/ 1.3	W=	.000313	/ 3.9	T=	.056	/ .8

Z= 124.175 KM

LAT= 0.0	U=	.004	/ 7.8	V=	5.262	/ 5.7	W=	.000006	/ 1.9	T=	.001	/ 11.4
LAT= 6.0	U=	.629	/ 8.7	V=	4.898	/ 5.8	W=	.013433	/ 2.3	T=	2.251	/ 11.3
LAT= 12.0	U=	1.262	/ 8.6	V=	3.895	/ 6.1	W=	.024876	/ 2.4	T=	4.148	/ 11.3
LAT= 18.0	U=	1.906	/ 8.5	V=	2.574	/ 6.7	W=	.032785	/ 2.4	T=	5.427	/ 11.4
LAT= 24.0	U=	2.575	/ 8.4	V=	1.813	/ 8.3	W=	.036399	/ 2.5	T=	5.968	/ 11.5
LAT= 30.0	U=	3.259	/ 8.4	V=	2.600	/ 10.0	W=	.035833	/ 2.6	T=	5.815	/ 11.6
LAT= 36.0	U=	3.905	/ 8.4	V=	3.847	/ 10.6	W=	.031938	/ 2.7	T=	5.130	/ 11.8
LAT= 42.0	U=	4.428	/ 8.4	V=	4.808	/ 11.0	W=	.026015	/ 2.9	T=	4.142	/ 12.0
LAT= 48.0	U=	4.737	/ 8.5	V=	5.287	/ 11.3	W=	.019455	/ 3.0	T=	3.082	/ .2
LAT= 54.0	U=	4.753	/ 8.6	V=	5.269	/ 11.5	W=	.013378	/ 3.3	T=	2.123	/ .5
LAT= 60.0	U=	4.482	/ 8.7	V=	4.826	/ 11.7	W=	.008498	/ 3.5	T=	1.365	/ .8
LAT= 66.0	U=	3.844	/ 8.9	V=	4.075	/ 11.9	W=	.004871	/ 4.0	T=	.809	/ 1.3
LAT= 72.0	U=	3.167	/ 9.1	V=	3.127	/ .0	W=	.003013	/ 4.2	T=	.504	/ 1.4
LAT= 78.0	U=	2.236	/ 9.1	V=	2.043	/ .2	W=	.001549	/ 3.8	T=	.240	/ .8
LAT= 84.0	U=	1.041	/ 9.2	V=	.895	/ .6	W=	.000454	/ 2.8	T=	.066	/ 11.5

Z= 129.367 KM

LAT= 0.0	U=	.004	/ 7.2	V=	4.848	/ 5.0	W=	.000009	/ 1.1	T=	.001	/ 10.8
LAT= 6.0	U=	.579	/ 8.0	V=	4.522	/ 5.0	W=	.015033	/ 1.7	T=	2.197	/ 10.6
LAT= 12.0	U=	1.150	/ 7.9	V=	3.633	/ 5.3	W=	.027977	/ 1.7	T=	4.074	/ 10.7
LAT= 18.0	U=	1.720	/ 7.7	V=	2.484	/ 6.0	W=	.037175	/ 1.8	T=	5.384	/ 10.8
LAT= 24.0	U=	2.310	/ 7.6	V=	1.843	/ 7.5	W=	.041743	/ 1.9	T=	6.006	/ 10.9
LAT= 30.0	U=	2.920	/ 7.5	V=	2.471	/ 9.0	W=	.041704	/ 2.0	T=	5.960	/ 11.0
LAT= 36.0	U=	3.501	/ 7.5	V=	3.524	/ 9.7	W=	.037667	/ 2.1	T=	5.381	/ 11.2
LAT= 42.0	U=	3.976	/ 7.5	V=	4.350	/ 10.1	W=	.031563	/ 2.3	T=	4.470	/ 11.3
LAT= 48.0	U=	4.258	/ 7.6	V=	4.760	/ 10.4	W=	.024304	/ 2.5	T=	3.443	/ 11.6
LAT= 54.0	U=	4.280	/ 7.7	V=	4.735	/ 10.6	W=	.017345	/ 2.8	T=	2.473	/ 11.9
LAT= 60.0	U=	4.046	/ 7.9	V=	4.333	/ 10.8	W=	.011560	/ 3.1	T=	1.670	/ .1
LAT= 66.0	U=	3.482	/ 8.0	V=	3.658	/ 11.0	W=	.007038	/ 3.5	T=	1.040	/ .6
LAT= 72.0	U=	2.881	/ 8.2	V=	2.805	/ 11.2	W=	.004496	/ 3.6	T=	.651	/ .6
LAT= 78.0	U=	2.027	/ 8.3	V=	1.832	/ 11.4	W=	.002140	/ 3.0	T=	.281	/ 12.0
LAT= 84.0	U=	.937	/ 8.4	V=	.810	/ 11.9	W=	.000572	/ 1.8	T=	.063	/ 10.5

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 135.169 KM

LAT= 0.0	U=	.002	/ 6.7	V=	4.471	/ 4.2	W=	.000010	/ .4	T=	.001	/ 10.3
LAT= 6.0	U=	.532	/ 7.3	V=	4.173	/ 4.3	W=	.016196	/ 1.1	T=	2.041	/ 10.1
LAT= 12.0	U=	1.056	/ 7.1	V=	3.361	/ 4.5	W=	.030273	/ 1.1	T=	3.811	/ 10.1
LAT= 18.0	U=	1.589	/ 7.0	V=	2.326	/ 5.2	W=	.040511	/ 1.2	T=	5.091	/ 10.2
LAT= 24.0	U=	2.152	/ 6.8	V=	1.774	/ 6.7	W=	.045929	/ 1.3	T=	5.763	/ 10.3
LAT= 30.0	U=	2.747	/ 6.7	V=	2.349	/ 8.2	W=	.046445	/ 1.5	T=	5.826	/ 10.5
LAT= 36.0	U=	3.316	/ 6.6	V=	3.307	/ 8.9	W=	.042794	/ 1.6	T=	5.377	/ 10.6
LAT= 42.0	U=	3.775	/ 6.7	V=	4.062	/ 9.3	W=	.036292	/ 1.8	T=	4.580	/ 10.8
LAT= 48.0	U=	4.047	/ 6.7	V=	4.444	/ 9.6	W=	.028527	/ 2.1	T=	3.633	/ 11.1
LAT= 54.0	U=	4.071	/ 6.9	V=	4.432	/ 9.8	W=	.020886	/ 2.4	T=	2.697	/ 11.4
LAT= 60.0	U=	3.858	/ 7.0	V=	4.072	/ 10.0	W=	.014365	/ 2.6	T=	1.888	/ 11.6
LAT= 66.0	U=	3.331	/ 7.2	V=	3.453	/ 10.2	W=	.009088	/ 3.1	T=	1.214	/ 12.0
LAT= 72.0	U=	2.762	/ 7.4	V=	2.663	/ 10.4	W=	.005864	/ 3.1	T=	.759	/ 12.0
LAT= 78.0	U=	1.926	/ 7.4	V=	1.751	/ 10.7	W=	.002619	/ 2.4	T=	.304	/ 11.3
LAT= 84.0	U=	.891	/ 7.6	V=	.803	/ 11.3	W=	.000664	/ .7	T=	.057	/ 9.5

Z= 141.772 KM

LAT= 0.0	U=	.002	/ 6.3	V=	4.158	/ 3.5	W=	.000012	/ .0	T=	.001	/ 9.9
LAT= 6.0	U=	.490	/ 6.6	V=	3.883	/ 3.5	W=	.017009	/ .5	T=	1.858	/ 9.5
LAT= 12.0	U=	.987	/ 6.4	V=	3.133	/ 3.8	W=	.031881	/ .6	T=	3.490	/ 9.6
LAT= 18.0	U=	1.512	/ 6.3	V=	2.170	/ 4.5	W=	.042865	/ .6	T=	4.710	/ 9.7
LAT= 24.0	U=	2.084	/ 6.1	V=	1.651	/ 6.0	W=	.048917	/ .8	T=	5.405	/ 9.8
LAT= 30.0	U=	2.690	/ 6.0	V=	2.192	/ 7.4	W=	.049884	/ .9	T=	5.557	/ 9.9
LAT= 36.0	U=	3.263	/ 5.9	V=	3.107	/ 8.1	W=	.046439	/ 1.1	T=	5.230	/ 10.1
LAT= 42.0	U=	3.715	/ 6.0	V=	3.845	/ 8.5	W=	.039864	/ 1.4	T=	4.551	/ 10.3
LAT= 48.0	U=	3.981	/ 6.1	V=	4.243	/ 8.8	W=	.031786	/ 1.6	T=	3.693	/ 10.6
LAT= 54.0	U=	4.009	/ 6.2	V=	4.270	/ 9.1	W=	.023680	/ 1.9	T=	2.810	/ 10.8
LAT= 60.0	U=	3.814	/ 6.3	V=	3.965	/ 9.3	W=	.016634	/ 2.2	T=	2.018	/ 11.1
LAT= 66.0	U=	3.310	/ 6.5	V=	3.399	/ 9.5	W=	.010781	/ 2.7	T=	1.327	/ 11.5
LAT= 72.0	U=	2.757	/ 6.6	V=	2.653	/ 9.7	W=	.006939	/ 2.6	T=	.826	/ 11.4
LAT= 78.0	U=	1.908	/ 6.6	V=	1.769	/ 9.9	W=	.002942	/ 1.9	T=	.316	/ 10.8
LAT= 84.0	U=	.891	/ 6.9	V=	.860	/ 10.6	W=	.000732	/ 11.8	T=	.050	/ 8.7

Z= 149.425 KM

LAT= 0.0	U=	.002	/ 5.9	V=	3.893	/ 2.7	W=	.000015	/ 11.8	T=	.001	/ 9.5
LAT= 6.0	U=	.456	/ 5.9	V=	3.640	/ 2.8	W=	.017668	/ 11.9	T=	1.685	/ 8.9
LAT= 12.0	U=	.936	/ 5.7	V=	2.946	/ 3.1	W=	.033159	/ .0	T=	3.181	/ 9.0
LAT= 18.0	U=	1.460	/ 5.6	V=	2.043	/ 3.7	W=	.044686	/ .1	T=	4.327	/ 9.1
LAT= 24.0	U=	2.038	/ 5.5	V=	1.509	/ 5.2	W=	.051173	/ .2	T=	5.018	/ 9.2
LAT= 30.0	U=	2.640	/ 5.4	V=	1.990	/ 6.7	W=	.052448	/ .4	T=	5.227	/ 9.4
LAT= 36.0	U=	3.198	/ 5.4	V=	2.872	/ 7.4	W=	.049163	/ .6	T=	4.996	/ 9.6
LAT= 42.0	U=	3.629	/ 5.4	V=	3.611	/ 7.9	W=	.042577	/ .9	T=	4.420	/ 9.8
LAT= 48.0	U=	3.883	/ 5.5	V=	4.038	/ 8.2	W=	.034318	/ 1.1	T=	3.648	/ 10.0
LAT= 54.0	U=	3.917	/ 5.6	V=	4.116	/ 8.4	W=	.025904	/ 1.4	T=	2.826	/ 10.3
LAT= 60.0	U=	3.749	/ 5.7	V=	3.869	/ 8.6	W=	.018472	/ 1.7	T=	2.066	/ 10.5
LAT= 66.0	U=	3.276	/ 5.8	V=	3.358	/ 8.8	W=	.012159	/ 2.2	T=	1.377	/ 10.9
LAT= 72.0	U=	2.748	/ 5.9	V=	2.657	/ 9.0	W=	.007754	/ 2.1	T=	.853	/ 10.8
LAT= 78.0	U=	1.897	/ 6.0	V=	1.804	/ 9.3	W=	.003133	/ 1.4	T=	.321	/ 10.2
LAT= 84.0	U=	.899	/ 6.3	V=	.933	/ 10.0	W=	.000704	/ 11.2	T=	.043	/ 8.2

Z= 158.420 KM

LAT= 0.0	U=	.002	/ 5.5	V=	3.653	/ 2.0	W=	.000017	/ 11.5	T=	.001	/ 9.2
LAT= 6.0	U=	.428	/ 5.1	V=	3.422	/ 2.1	W=	.018298	/ 11.3	T=	1.538	/ 8.2
LAT= 12.0	U=	.884	/ 5.1	V=	2.783	/ 2.3	W=	.034373	/ 11.4	T=	2.911	/ 8.3
LAT= 18.0	U=	1.384	/ 5.0	V=	1.928	/ 2.9	W=	.046404	/ 11.5	T=	3.978	/ 8.4
LAT= 24.0	U=	1.929	/ 4.9	V=	1.353	/ 4.3	W=	.053291	/ 11.7	T=	4.644	/ 8.6
LAT= 30.0	U=	2.489	/ 4.8	V=	1.740	/ 6.0	W=	.054855	/ 11.8	T=	4.880	/ 8.8
LAT= 36.0	U=	3.002	/ 4.8	V=	2.574	/ 6.8	W=	.051749	/ .1	T=	4.713	/ 9.0
LAT= 42.0	U=	3.397	/ 4.8	V=	3.300	/ 7.2	W=	.045210	/ .3	T=	4.221	/ 9.2
LAT= 48.0	U=	3.639	/ 4.9	V=	3.749	/ 7.5	W=	.036841	/ .6	T=	3.527	/ 9.4
LAT= 54.0	U=	3.693	/ 5.0	V=	3.872	/ 7.8	W=	.028165	/ .9	T=	2.766	/ 9.7
LAT= 60.0	U=	3.569	/ 5.1	V=	3.682	/ 8.0	W=	.020356	/ 1.2	T=	2.047	/ 9.9
LAT= 66.0	U=	3.148	/ 5.2	V=	3.229	/ 8.2	W=	.013549	/ 1.6	T=	1.378	/ 10.2
LAT= 72.0	U=	2.657	/ 5.3	V=	2.583	/ 8.4	W=	.008502	/ 1.5	T=	.847	/ 10.1
LAT= 78.0	U=	1.833	/ 5.3	V=	1.782	/ 8.7	W=	.003226	/ .9	T=	.316	/ 9.7
LAT= 84.0	U=	.886	/ 5.7	V=	.972	/ 9.4	W=	.000524	/ 10.7	T=	.035	/ 8.2

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 181.310 KM

LAT= 0.0	U=	.002	/ 4.6	V=	3.243	/ .6	W=	.000021	/ 11.0	T=	.001	/ 8.8
LAT= 6.0	U=	.380	/ 3.7	V=	3.051	/ .7	W=	.019600	/ 10.1	T=	1.304	/ 7.0
LAT= 12.0	U=	.779	/ 3.7	V=	2.513	/ .8	W=	.036989	/ 10.2	T=	2.472	/ 7.1
LAT= 18.0	U=	1.203	/ 3.6	V=	1.752	/ 1.3	W=	.050320	/ 10.3	T=	3.392	/ 7.3
LAT= 24.0	U=	1.650	/ 3.6	V=	1.067	/ 2.5	W=	.058418	/ 10.5	T=	3.985	/ 7.4
LAT= 30.0	U=	2.102	/ 3.6	V=	1.161	/ 4.5	W=	.060990	/ 10.7	T=	4.229	/ 7.6
LAT= 36.0	U=	2.515	/ 3.6	V=	1.854	/ 5.5	W=	.058603	/ 10.9	T=	4.147	/ 7.8
LAT= 42.0	U=	2.833	/ 3.7	V=	2.524	/ 6.0	W=	.052391	/ 11.2	T=	3.788	/ 8.0
LAT= 48.0	U=	3.041	/ 3.7	V=	2.987	/ 6.3	W=	.043841	/ 11.4	T=	3.231	/ 8.3
LAT= 54.0	U=	3.125	/ 3.8	V=	3.185	/ 6.6	W=	.034470	/ 11.7	T=	2.583	/ 8.5
LAT= 60.0	U=	3.075	/ 3.9	V=	3.108	/ 6.8	W=	.025607	/ .0	T=	1.949	/ 8.7
LAT= 66.0	U=	2.763	/ 4.0	V=	2.782	/ 7.0	W=	.017405	/ .3	T=	1.335	/ 8.9
LAT= 72.0	U=	2.332	/ 4.1	V=	2.259	/ 7.2	W=	.010512	/ .2	T=	.800	/ 8.8
LAT= 78.0	U=	1.591	/ 4.1	V=	1.585	/ 7.5	W=	.003426	/ 11.7	T=	.292	/ 8.6
LAT= 84.0	U=	.788	/ 4.5	V=	.925	/ 8.3	W=	.000129	/ 6.8	T=	.035	/ 9.1

Z= 209.865 KM

LAT= 0.0	U=	.002	/ 4.0	V=	2.986	/ 11.4	W=	.000024	/ 10.3	T=	.001	/ 8.6
LAT= 6.0	U=	.322	/ 2.4	V=	2.831	/ 11.4	W=	.021227	/ 9.1	T=	1.127	/ 6.1
LAT= 12.0	U=	.661	/ 2.4	V=	2.398	/ 11.6	W=	.040119	/ 9.2	T=	2.139	/ 6.2
LAT= 18.0	U=	1.023	/ 2.4	V=	1.732	/ 11.9	W=	.054764	/ 9.3	T=	2.945	/ 6.4
LAT= 24.0	U=	1.401	/ 2.4	V=	1.019	/ .6	W=	.063998	/ 9.5	T=	3.484	/ 6.6
LAT= 30.0	U=	1.781	/ 2.4	V=	.726	/ 2.7	W=	.067496	/ 9.7	T=	3.732	/ 6.8
LAT= 36.0	U=	2.131	/ 2.5	V=	1.217	/ 4.2	W=	.065802	/ 9.9	T=	3.715	/ 7.0
LAT= 42.0	U=	2.397	/ 2.5	V=	1.821	/ 4.8	W=	.059964	/ 10.2	T=	3.461	/ 7.2
LAT= 48.0	U=	2.560	/ 2.6	V=	2.285	/ 5.2	W=	.051341	/ 10.4	T=	3.011	/ 7.4
LAT= 54.0	U=	2.635	/ 2.7	V=	2.541	/ 5.5	W=	.041355	/ 10.7	T=	2.449	/ 7.6
LAT= 60.0	U=	2.623	/ 2.8	V=	2.561	/ 5.7	W=	.031505	/ 10.9	T=	1.880	/ 7.7
LAT= 66.0	U=	2.389	/ 2.9	V=	2.345	/ 5.9	W=	.021984	/ 11.1	T=	1.311	/ 7.9
LAT= 72.0	U=	2.012	/ 2.9	V=	1.927	/ 6.1	W=	.013245	/ 11.0	T=	.779	/ 7.8
LAT= 78.0	U=	1.354	/ 3.0	V=	1.356	/ 6.4	W=	.004327	/ 10.7	T=	.282	/ 7.6
LAT= 84.0	U=	.672	/ 3.4	V=	.792	/ 7.1	W=	.000084	/ 3.6	T=	.045	/ 8.6

Z= 240.988 KM

LAT= 0.0	U=	.002	/ 3.5	V=	2.908	/ 10.4	W=	.000027	/ 9.6	T=	.001	/ 8.6
LAT= 6.0	U=	.258	/ 1.3	V=	2.775	/ 10.4	W=	.023252	/ 8.3	T=	1.030	/ 5.6
LAT= 12.0	U=	.534	/ 1.3	V=	2.394	/ 10.6	W=	.043586	/ 8.3	T=	1.955	/ 5.7
LAT= 18.0	U=	.841	/ 1.3	V=	1.821	/ 10.8	W=	.058892	/ 8.5	T=	2.693	/ 5.9
LAT= 24.0	U=	1.167	/ 1.4	V=	1.156	/ 11.3	W=	.068298	/ 8.7	T=	3.198	/ 6.1
LAT= 30.0	U=	1.501	/ 1.4	V=	.647	/ .8	W=	.071892	/ 8.9	T=	3.450	/ 6.3
LAT= 36.0	U=	1.821	/ 1.5	V=	.833	/ 2.9	W=	.070418	/ 9.1	T=	3.471	/ 6.5
LAT= 42.0	U=	2.066	/ 1.5	V=	1.347	/ 3.8	W=	.064892	/ 9.4	T=	3.281	/ 6.7
LAT= 48.0	U=	2.201	/ 1.6	V=	1.790	/ 4.2	W=	.056524	/ 9.6	T=	2.900	/ 6.9
LAT= 54.0	U=	2.258	/ 1.8	V=	2.073	/ 4.5	W=	.046509	/ 9.9	T=	2.388	/ 7.1
LAT= 60.0	U=	2.269	/ 1.9	V=	2.158	/ 4.7	W=	.036242	/ 10.1	T=	1.855	/ 7.2
LAT= 66.0	U=	2.103	/ 2.0	V=	2.026	/ 4.9	W=	.025932	/ 10.3	T=	1.316	/ 7.3
LAT= 72.0	U=	1.780	/ 2.0	V=	1.691	/ 5.1	W=	.015863	/ 10.1	T=	.786	/ 7.1
LAT= 78.0	U=	1.198	/ 2.0	V=	1.201	/ 5.4	W=	.005574	/ 10.0	T=	.296	/ 7.0
LAT= 84.0	U=	.595	/ 2.4	V=	.693	/ 6.1	W=	.000661	/ 11.3	T=	.056	/ 7.7

Z= 272.801 KM

LAT= 0.0	U=	.001	/ 3.1	V=	2.955	/ 9.7	W=	.000030	/ 9.0	T=	.001	/ 8.6
LAT= 6.0	U=	.212	/ .3	V=	2.827	/ 9.7	W=	.025245	/ 7.7	T=	.990	/ 5.2
LAT= 12.0	U=	.443	/ .3	V=	2.466	/ 9.9	W=	.046836	/ 7.8	T=	1.875	/ 5.4
LAT= 18.0	U=	.708	/ .4	V=	1.925	/ 10.1	W=	.062438	/ 7.9	T=	2.580	/ 5.6
LAT= 24.0	U=	1.001	/ .5	V=	1.294	/ 10.6	W=	.071611	/ 8.1	T=	3.068	/ 5.8
LAT= 30.0	U=	1.313	/ .6	V=	.742	/ 11.7	W=	.075041	/ 8.3	T=	3.320	/ 6.0
LAT= 36.0	U=	1.630	/ .7	V=	.693	/ 1.8	W=	.073686	/ 8.5	T=	3.363	/ 6.2
LAT= 42.0	U=	1.880	/ .8	V=	1.096	/ 2.9	W=	.068405	/ 8.8	T=	3.209	/ 6.4
LAT= 48.0	U=	2.006	/ .9	V=	1.565	/ 3.5	W=	.060297	/ 9.1	T=	2.865	/ 6.6
LAT= 54.0	U=	2.047	/ 1.0	V=	1.799	/ 3.8	W=	.050371	/ 9.3	T=	2.380	/ 6.8
LAT= 60.0	U=	2.068	/ 1.2	V=	1.926	/ 4.0	W=	.039813	/ 9.5	T=	1.863	/ 6.9
LAT= 66.0	U=	1.949	/ 1.3	V=	1.850	/ 4.2	W=	.028814	/ 9.7	T=	1.326	/ 4.0
LAT= 72.0	U=	1.661	/ 1.2	V=	1.573	/ 4.4	W=	.017674	/ 9.6	T=	.802	/ 6.8
LAT= 78.0	U=	1.128	/ 1.3	V=	1.133	/ 4.6	W=	.006404	/ 9.6	T=	.313	/ 6.7
LAT= 84.0	U=	.567	/ 1.6	V=	.659	/ 5.2	W=	.001442	/ 11.0	T=	.069	/ 7.2

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 304.762 KM

LAT= 0.0	U=	.001 /	2.8	V=	3.060 /	9.2	W=	.000035 /	8.6	T=	.001 /	8.6
LAT= 6.0	U=	.196 /	11.4	V=	2.929 /	9.3	W=	.026680 /	7.3	T=	.979 /	5.0
LAT= 12.0	U=	.410 /	11.5	V=	2.563 /	9.4	W=	.049200 /	7.4	T=	1.850 /	5.2
LAT= 18.0	U=	.655 /	11.7	V=	2.023 /	9.6	W=	.065074 /	7.5	T=	2.543 /	5.4
LAT= 24.0	U=	.937 /	11.8	V=	1.401 /	10.1	W=	.074170 /	7.7	T=	3.023 /	5.8
LAT= 30.0	U=	1.246 /	.0	V=	.843 /	11.0	W=	.077599 /	7.9	T=	3.277 /	5.9
LAT= 36.0	U=	1.574 /	.1	V=	.685 /	.9	W=	.076373 /	8.1	T=	3.331 /	6.1
LAT= 42.0	U=	1.842 /	.2	V=	1.002 /	2.3	W=	.071170 /	8.4	T=	3.197 /	6.3
LAT= 48.0	U=	1.970 /	.3	V=	1.388 /	2.9	W=	.063090 /	8.7	T=	2.871 /	6.4
LAT= 54.0	U=	1.999 /	.5	V=	1.691 /	3.3	W=	.053123 /	8.9	T=	2.397 /	6.6
LAT= 60.0	U=	2.018 /	.6	V=	1.844 /	3.5	W=	.042241 /	9.1	T=	1.884 /	6.7
LAT= 66.0	U=	1.917 /	.8	V=	1.802 /	3.7	W=	.030591 /	9.3	T=	1.358 /	6.8
LAT= 72.0	U=	1.641 /	.7	V=	1.551 /	3.8	W=	.018616 /	9.2	T=	.819 /	6.6
LAT= 78.0	U=	1.120 /	.7	V=	1.129 /	4.1	W=	.006697 /	9.4	T=	.327 /	6.5
LAT= 84.0	U=	.571 /	1.1	V=	.665 /	4.7	W=	.002028 /	10.9	T=	.080 /	6.9

Z= 336.754 KM

LAT= 0.0	U=	.001 /	2.5	V=	3.173 /	8.9	W=	.000039 /	8.3	T=	.001 /	8.6
LAT= 6.0	U=	.201 /	10.8	V=	3.039 /	9.0	W=	.027316 /	7.0	T=	.983 /	4.9
LAT= 12.0	U=	.415 /	11.0	V=	2.663 /	9.1	W=	.050293 /	7.1	T=	1.854 /	5.1
LAT= 18.0	U=	.659 /	11.1	V=	2.116 /	9.4	W=	.066384 /	7.2	T=	2.546 /	5.3
LAT= 24.0	U=	.943 /	11.3	V=	1.490 /	9.8	W=	.075551 /	7.4	T=	3.028 /	5.5
LAT= 30.0	U=	1.260 /	11.5	V=	.927 /	10.7	W=	.079068 /	7.6	T=	3.286 /	5.8
LAT= 36.0	U=	1.607 /	11.7	V=	.719 /	.4	W=	.077897 /	7.8	T=	3.345 /	6.0
LAT= 42.0	U=	1.893 /	11.8	V=	.990 /	1.8	W=	.072579 /	8.1	T=	3.220 /	6.2
LAT= 48.0	U=	2.026 /	.0	V=	1.369 /	2.5	W=	.064359 /	8.4	T=	2.903 /	6.3
LAT= 54.0	U=	2.046 /	.2	V=	1.681 /	2.9	W=	.054338 /	8.7	T=	2.429 /	6.5
LAT= 60.0	U=	2.058 /	.3	V=	1.855 /	3.2	W=	.043274 /	8.9	T=	1.914 /	6.6
LAT= 66.0	U=	1.960 /	.4	V=	1.830 /	3.3	W=	.031206 /	9.1	T=	1.383 /	6.7
LAT= 72.0	U=	1.676 /	.4	V=	1.584 /	3.5	W=	.018762 /	9.0	T=	.836 /	6.5
LAT= 78.0	U=	1.146 /	.4	V=	1.157 /	3.7	W=	.006546 /	9.2	T=	.338 /	6.4
LAT= 84.0	U=	.589 /	.8	V=	.687 /	4.3	W=	.002387 /	10.8	T=	.086 /	6.8

Z= 368.753 KM

LAT= 0.0	U=	.001 /	2.4	V=	3.273 /	8.7	W=	.000044 /	8.1	T=	.001 /	8.6
LAT= 6.0	U=	.213 /	10.5	V=	3.136 /	8.8	W=	.027157 /	6.8	T=	.995 /	4.9
LAT= 12.0	U=	.437 /	10.6	V=	2.754 /	8.9	W=	.050045 /	6.9	T=	1.876 /	5.0
LAT= 18.0	U=	.687 /	10.8	V=	2.200 /	9.2	W=	.066125 /	7.0	T=	2.574 /	5.2
LAT= 24.0	U=	.981 /	11.1	V=	1.567 /	9.6	W=	.075307 /	7.2	T=	3.061 /	5.5
LAT= 30.0	U=	1.310 /	11.3	V=	.993 /	10.5	W=	.078850 /	7.4	T=	3.324 /	5.7
LAT= 36.0	U=	1.673 /	11.5	V=	.760 /	.1	W=	.077601 /	7.6	T=	3.388 /	6.0
LAT= 42.0	U=	1.973 /	11.6	V=	1.011 /	1.6	W=	.072040 /	7.9	T=	3.266 /	6.1
LAT= 48.0	U=	2.112 /	11.8	V=	1.389 /	2.3	W=	.063637 /	8.2	T=	2.949 /	6.3
LAT= 54.0	U=	2.125 /	11.9	V=	1.714 /	2.7	W=	.053678 /	8.5	T=	2.472 /	6.4
LAT= 60.0	U=	2.131 /	.1	V=	1.903 /	3.0	W=	.042719 /	8.7	T=	1.949 /	6.5
LAT= 66.0	U=	2.029 /	.2	V=	1.886 /	3.2	W=	.030625 /	8.9	T=	1.410 /	6.6
LAT= 72.0	U=	1.732 /	.2	V=	1.635 /	3.3	W=	.018191 /	8.8	T=	.853 /	6.4
LAT= 78.0	U=	1.182 /	.2	V=	1.195 /	3.5	W=	.006071 /	9.1	T=	.347 /	6.4
LAT= 84.0	U=	.609 /	.6	V=	.710 /	4.1	W=	.002547 /	10.8	T=	.091 /	6.7

Z= 400.753 KM

LAT= 0.0	U=	.001 /	2.3	V=	3.355 /	8.6	W=	.000047 /	7.9	T=	.001 /	8.6
LAT= 6.0	U=	.224 /	10.3	V=	3.218 /	8.7	W=	.028287 /	6.7	T=	1.011 /	4.8
LAT= 12.0	U=	.459 /	10.5	V=	2.832 /	8.8	W=	.040547 /	6.7	T=	1.906 /	5.0
LAT= 18.0	U=	.719 /	10.7	V=	2.270 /	9.1	W=	.064283 /	6.8	T=	2.617 /	5.2
LAT= 24.0	U=	1.022 /	10.9	V=	1.628 /	9.5	W=	.073298 /	7.0	T=	3.111 /	5.5
LAT= 30.0	U=	1.363 /	11.1	V=	1.041 /	10.4	W=	.076736 /	7.2	T=	3.377 /	5.7
LAT= 36.0	U=	1.738 /	11.4	V=	.793 /	.0	W=	.075294 /	7.4	T=	3.444 /	5.9
LAT= 42.0	U=	2.051 /	11.5	V=	1.038 /	1.4	W=	.069428 /	7.7	T=	3.324 /	6.1
LAT= 48.0	U=	2.193 /	11.7	V=	1.422 /	2.2	W=	.060871 /	8.0	T=	3.002 /	6.3
LAT= 54.0	U=	2.203 /	11.8	V=	1.758 /	2.6	W=	.051135 /	8.3	T=	2.519 /	6.4
LAT= 60.0	U=	2.204 /	.0	V=	1.956 /	2.9	W=	.040599 /	8.5	T=	1.967 /	6.5
LAT= 66.0	U=	2.096 /	.1	V=	1.943 /	3.1	W=	.028916 /	8.8	T=	1.438 /	6.6
LAT= 72.0	U=	1.787 /	.1	V=	1.686 /	3.2	W=	.016999 /	8.6	T=	.871 /	6.4
LAT= 78.0	U=	1.218 /	.1	V=	1.231 /	3.4	W=	.005373 /	9.0	T=	.355 /	6.4
LAT= 84.0	U=	.629 /	.5	V=	.731 /	4.0	W=	.002551 /	10.9	T=	.095 /	6.7

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

Z= 81.010 KM — T_o = 1000 K

	U	V	W	T
LAT= 0.0	0.000 / 11.0	.313 / 1.6	0.000000 / 7.9	0.000 / 4.7
LAT= 6.0	.029 / 4.5	.273 / 1.6	.000963 / 10.6	.071 / 8.3
LAT= 12.0	.071 / 4.6	.162 / 1.5	.001707 / 10.6	.126 / 8.3
LAT= 18.0	.129 / 4.6	.023 / 11.9	.002094 / 10.6	.156 / 8.3
LAT= 24.0	.197 / 4.6	.133 / 7.9	.002105 / 10.6	.157 / 8.3
LAT= 30.0	.256 / 4.5	.245 / 7.7	.001830 / 10.6	.138 / 8.3
LAT= 36.0	.297 / 4.4	.312 / 7.5	.001405 / 10.5	.108 / 8.3
LAT= 42.0	.312 / 4.4	.334 / 7.4	.000961 / 10.5	.075 / 8.3
LAT= 48.0	.302 / 4.3	.322 / 7.3	.000586 / 10.4	.047 / 8.2
LAT= 54.0	.274 / 4.1	.288 / 7.2	.000315 / 10.4	.025 / 8.2
LAT= 60.0	.235 / 4.0	.244 / 7.0	.000146 / 10.2	.011 / 8.1
LAT= 66.0	.190 / 4.0	.194 / 7.0	.000052 / 10.2	.005 / 8.1
LAT= 72.0	.143 / 3.9	.143 / 6.9	.000019 / 9.4	.001 / 7.8
LAT= 78.0	.093 / 3.8	.095 / 6.9	.000009 / 5.9	0.000 / 4.7
LAT= 84.0	.047 / 3.8	.048 / 7.0	.000003 / 6.2	0.000 / 4.8

Z= 84.009 KM

	U	V	W	T
LAT= 0.0	0.000 / 10.9	.353 / .4	0.000000 / 7.8	0.000 / 4.7
LAT= 6.0	.036 / 3.6	.313 / .5	.001355 / 10.3	.114 / 7.8
LAT= 12.0	.084 / 3.5	.206 / .7	.002410 / 10.3	.203 / 7.8
LAT= 18.0	.148 / 3.5	.061 / 1.6	.002972 / 10.3	.251 / 7.8
LAT= 24.0	.227 / 3.5	.123 / 5.9	.003011 / 10.3	.254 / 7.8
LAT= 30.0	.310 / 3.6	.270 / 6.4	.002641 / 10.3	.222 / 7.8
LAT= 36.0	.379 / 3.7	.385 / 6.6	.002049 / 10.2	.173 / 7.9
LAT= 42.0	.428 / 3.8	.452 / 6.7	.001418 / 10.2	.119 / 7.9
LAT= 48.0	.444 / 3.9	.472 / 6.9	.000874 / 10.2	.074 / 7.9
LAT= 54.0	.429 / 4.0	.451 / 7.0	.000476 / 10.2	.039 / 8.0
LAT= 60.0	.385 / 4.0	.400 / 7.0	.000222 / 10.1	.018 / 8.0
LAT= 66.0	.322 / 4.1	.327 / 7.1	.000079 / 10.1	.006 / 8.3
LAT= 72.0	.246 / 4.1	.246 / 7.1	.000030 / 9.3	.003 / 7.6
LAT= 78.0	.164 / 4.2	.164 / 7.1	.000011 / 3.9	.001 / .6
LAT= 84 0	.081 / 4.2	.080 / 7.1	.000003 / 3.4	0.000 / .4

Z= 87.062 KM

	U	V	W	T
LAT= 0.0	0.000 / 10.8	.484 / 11.7	0.000000 / 7.8	0.000 / 4.7
LAT= 6.0	.051 / 2.8	.434 / 11.7	.001772 / 10.2	.168 / 7.5
LAT= 12.0	.115 / 2.7	.296 / 11.8	.003174 / 10.1	.299 / 7.5
LAT= 18.0	.204 / 2.7	.099 / .5	.003964 / 10.1	.373 / 7.5
LAT= 24.0	.315 / 2.7	.146 / 5.2	.004094 / 10.0	.383 / 7.4
LAT= 30.0	.435 / 2.8	.364 / 5.6	.003688 / 9.9	.343 / 7.4
LAT= 36.0	.547 / 2.9	.543 / 5.8	.002964 / 9.8	.273 / 7.3
LAT= 42.0	.628 / 2.9	.660 / 5.9	.002150 / 9.7	.195 / 7.3
LAT= 48.0	.665 / 3.0	.706 / 6.0	.001407 / 9.6	.124 / 7.2
LAT= 54.0	.654 / 3.1	.687 / 6.1	.000829 / 9.5	.071 / 7.1
LAT= 60.0	.595 / 3.1	.617 / 6.1	.000434 / 9.3	.036 / 7.0
LAT= 66.0	.504 / 3.2	.511 / 6.2	.000184 / 9.2	.014 / 7.0
LAT= 72.0	.386 / 3.2	.388 / 6.2	.000086 / 8.8	.006 / 6.4
LAT= 78.0	.264 / 3.3	.258 / 6.2	.000027 / 7.7	.001 / 5.5
LAT= 84.0	.129 / 3.3	.123 / 6.2	.000004 / 7.8	0.000 / 7.6

Z= 90.176 KM

	U	V	W	T
LAT= 0.0	0.000 / 10.7	.834 / 11.4	0.000000 / 7.7	0.000 / 4.7
LAT= 6.0	.080 / 2.3	.732 / 11.4	.002330 / 9.9	.235 / 7.3
LAT= 12.0	.192 / 2.4	.457 / 11.3	.004165 / 9.9	.420 / 7.3
LAT= 18.0	.346 / 2.4	.099 / 10.1	.005188 / 9.8	.522 / 7.2
LAT= 24.0	.529 / 2.4	.320 / 5.8	.005343 / 9.7	.537 / 7.1
LAT= 30.0	.706 / 2.3	.642 / 5.5	.004808 / 9.6	.481 / 7.1
LAT= 36.0	.841 / 2.2	.862 / 5.3	.003876 / 9.5	.385 / 7.0
LAT= 42.0	.914 / 2.1	.967 / 5.2	.002831 / 9.4	.278 / 6.8
LAT= 48.0	.918 / 2.1	.975 / 5.1	.001883 / 9.2	.183 / 6.7
LAT= 54.0	.863 / 2.0	.905 / 5.0	.001136 / 9.0	.108 / 6.5
LAT= 60.0	.759 / 1.9	.787 / 4.9	.000621 / 8.8	.057 / 6.3
LAT= 66.0	.627 / 1.8	.640 / 4.8	.000280 / 8.6	.025 / 6.2
LAT= 72.0	.476 / 1.8	.478 / 4.8	.000142 / 8.4	.011 / 5.8
LAT= 78.0	.319 / 1.8	.316 / 4.8	.000062 / 7.2	.005 / 4.6
LAT= 84.0	.157 / 1.8	.154 / 4.9	.000009 / 6.8	.001 / 4.4

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 93.363 KM

LAT= 0.0	U=	0.000	/	10.7	V=	1.454	/	11.0	W=	0.000000	/	7.7	T=	0.000 / 4.7
LAT= 6.0	U=	.128	/	1.9	V=	1.251	/	11.0	W=	.002890	/	9.3	T=	.305 / 6.9
LAT= 12.0	U=	.321	/	2.0	V=	.712	/	10.8	W=	.005168	/	9.3	T=	.546 / 6.9
LAT= 18.0	U=	.594	/	2.0	V=	.119	/	8.0	W=	.006437	/	9.4	T=	.680 / 6.9
LAT= 24.0	U=	.898	/	2.0	V=	.681	/	5.3	W=	.006619	/	9.4	T=	.701 / 6.8
LAT= 30.0	U=	1.156	/	1.9	V=	1.155	/	5.1	W=	.005929	/	9.4	T=	.628 / 6.8
LAT= 36.0	U=	1.301	/	1.8	V=	1.390	/	4.9	W=	.004734	/	9.4	T=	.503 / 6.8
LAT= 42.0	U=	1.317	/	1.6	V=	1.415	/	4.7	W=	.003401	/	9.4	T=	.363 / 6.8
LAT= 48.0	U=	1.228	/	1.4	V=	1.305	/	4.5	W=	.002203	/	9.4	T=	.235 / 6.7
LAT= 54.0	U=	1.080	/	1.2	V=	1.131	/	4.2	W=	.001277	/	9.4	T=	.137 / 6.7
LAT= 60.0	U=	.907	/	1.0	V=	.939	/	4.0	W=	.000654	/	9.4	T=	.070 / 6.6
LAT= 66.0	U=	.728	/	.8	V=	.747	/	3.8	W=	.000263	/	9.5	T=	.029 / 6.6
LAT= 72.0	U=	.557	/	.7	V=	.558	/	3.7	W=	.000118	/	9.3	T=	.013 / 6.3
LAT= 78.0	U=	.363	/	.6	V=	.369	/	3.7	W=	.000020	/	8.3	T=	.003 / 4.8
LAT= 84.0	U=	.183	/	.6	V=	.187	/	3.7	W=	.000005	/	11.0	T=	0.000 / 7.1

Z= 96.638 KM

LAT= 0.0	U=	0.000	/	11.8	V=	2.103	/	10.4	W=	.000001	/	7.7	T=	0.000 / 4.7
LAT= 6.0	U=	.192	/	1.5	V=	1.819	/	10.4	W=	.003260	/	8.5	T=	.354 / 6.3
LAT= 12.0	U=	.468	/	1.5	V=	1.057	/	10.4	W=	.005846	/	8.5	T=	.637 / 6.3
LAT= 18.0	U=	.854	/	1.4	V=	.049	/	10.7	W=	.007341	/	8.7	T=	.802 / 6.4
LAT= 24.0	U=	1.288	/	1.4	V=	.928	/	4.4	W=	.007689	/	8.9	T=	.839 / 6.5
LAT= 30.0	U=	1.665	/	1.4	V=	1.655	/	4.5	W=	.007124	/	9.1	T=	.768 / 6.6
LAT= 36.0	U=	1.888	/	1.4	V=	2.036	/	4.5	W=	.006001	/	9.4	T=	.631 / 6.8
LAT= 42.0	U=	1.916	/	1.4	V=	2.088	/	4.4	W=	.004647	/	9.6	T=	.468 / 6.9
LAT= 48.0	U=	1.774	/	1.4	V=	1.907	/	4.4	W=	.003306	/	9.9	T=	.315 / 7.1
LAT= 54.0	U=	1.524	/	1.4	V=	1.607	/	4.4	W=	.002142	/	10.2	T=	.190 / 7.2
LAT= 60.0	U=	1.230	/	1.3	V=	1.279	/	4.3	W=	.001245	/	10.5	T=	.100 / 7.4
LAT= 66.0	U=	.943	/	1.2	V=	.972	/	4.2	W=	.000645	/	11.0	T=	.046 / 7.8
LAT= 72.0	U=	.687	/	1.1	V=	.699	/	4.1	W=	.000325	/	11.4	T=	.019 / 7.9
LAT= 78.0	U=	.438	/	1.0	V=	.452	/	4.0	W=	.000175	/	11.8	T=	.008 / 8.6
LAT= 84.0	U=	.222	/	1.0	V=	.226	/	3.9	W=	.000043	/	10.9	T=	.003 / 8.0

Z= 100.017 KM

LAT= 0.0	U=	0.000	/	.3	V=	2.359	/	9.9	W=	.000001	/	7.6	T=	0.000 / 4.8
LAT= 6.0	U=	.242	/	1.0	V=	2.095	/	9.9	W=	.003552	/	7.6	T=	.382 / 5.6
LAT= 12.0	U=	.555	/	1.0	V=	1.374	/	10.1	W=	.006407	/	7.7	T=	.701 / 5.7
LAT= 18.0	U=	.970	/	.9	V=	.425	/	11.1	W=	.008154	/	7.9	T=	.911 / 5.8
LAT= 24.0	U=	1.461	/	1.0	V=	.808	/	3.3	W=	.008760	/	8.2	T=	1.000 / 6.0
LAT= 30.0	U=	1.958	/	1.0	V=	1.753	/	3.8	W=	.006464	/	8.6	T=	.973 / 6.2
LAT= 36.0	U=	2.378	/	1.2	V=	2.464	/	4.1	W=	.007555	/	8.9	T=	.859 / 6.4
LAT= 42.0	U=	2.652	/	1.3	V=	2.871	/	4.2	W=	.006261	/	9.3	T=	.689 / 6.7
LAT= 48.0	U=	2.739	/	1.4	V=	2.972	/	4.4	W=	.004779	/	9.7	T=	.501 / 6.9
LAT= 54.0	U=	2.632	/	1.5	V=	2.813	/	4.5	W=	.003319	/	10.1	T=	.329 / 7.2
LAT= 60.0	U=	2.354	/	1.6	V=	2.466	/	4.6	W=	.002072	/	10.4	T=	.190 / 7.4
LAT= 66.0	U=	1.954	/	1.7	V=	2.006	/	4.6	W=	.001169	/	11.0	T=	.099 / 7.9
LAT= 72.0	U=	1.491	/	1.7	V=	1.495	/	4.7	W=	.000651	/	11.4	T=	.051 / 8.3
LAT= 78.0	U=	.981	/	1.7	V=	.976	/	4.7	W=	.000391	/	11.6	T=	.027 / 8.5
LAT= 84.0	U=	.486	/	1.7	V=	.471	/	4.7	W=	.000088	/	10.5	T=	.006 / 7.5

Z= 103.521 KM

LAT= 0.0	U=	.001	/	.3	V=	2.819	/	9.6	W=	.000003	/	7.4	T=	0.000 / 4.6
LAT= 6.0	U=	.316	/	.7	V=	2.561	/	9.7	W=	.004020	/	7.0	T=	.457 / 5.1
LAT= 12.0	U=	.695	/	.7	V=	1.831	/	9.8	W=	.007385	/	7.1	T=	.853 / 5.2
LAT= 18.0	U=	1.185	/	.7	V=	.774	/	10.5	W=	.009632	/	7.2	T=	1.138 / 5.3
LAT= 24.0	U=	1.796	/	.7	V=	.727	/	2.7	W=	.010595	/	7.5	T=	1.283 / 5.4
LAT= 30.0	U=	2.487	/	.8	V=	2.013	/	3.5	W=	.010369	/	7.7	T=	1.283 / 5.6
LAT= 36.0	U=	3.176	/	.9	V=	3.181	/	3.8	W=	.009216	/	8.1	T=	1.157 / 5.8
LAT= 42.0	U=	3.749	/	1.0	V=	4.030	/	3.9	W=	.007477	/	8.4	T=	.944 / 6.0
LAT= 48.0	U=	4.086	/	1.1	V=	4.452	/	4.1	W=	.005527	/	8.8	T=	.695 / 6.3
LAT= 54.0	U=	4.119	/	1.2	V=	4.430	/	4.2	W=	.003707	/	9.2	T=	.459 / 6.6
LAT= 60.0	U=	3.830	/	1.3	V=	4.033	/	4.3	W=	.002253	/	9.7	T=	.270 / 6.9
LAT= 66.0	U=	3.274	/	1.3	V=	3.369	/	4.3	W=	.001261	/	10.4	T=	.142 / 7.5
LAT= 72.0	U=	2.553	/	1.4	V=	2.556	/	4.4	W=	.000728	/	11.0	T=	.076 / 7.9
LAT= 78.0	U=	1.769	/	1.4	V=	1.685	/	4.4	W=	.000495	/	11.1	T=	.046 / 8.2
LAT= 84.0	U=	.844	/	1.4	V=	.815	/	4.4	W=	.000118	/	10.0	T=	.010 / 7.1

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 107.177 KM

LAT= 0.0	U=	.001	/ 12.0	V=	4.014	/ 9.2	W=	.000004	/ 6.8	T=	0.000	/ 4.2
LAT= 6.0	U=	.454	/ .3	V=	3.651	/ 9.3	W=	.005207	/ 6.1	T=	.652	/ 4.3
LAT= 12.0	U=	.999	/ .3	V=	2.614	/ 9.4	W=	.009623	/ 6.2	T=	1.216	/ 4.3
LAT= 18.0	U=	1.694	/ .3	V=	1.080	/ 9.8	W=	.012628	/ 6.3	T=	1.619	/ 4.4
LAT= 24.0	U=	2.549	/ .3	V=	.958	/ 2.4	W=	.013896	/ 6.5	T=	1.815	/ 4.5
LAT= 30.0	U=	3.503	/ .3	V=	2.802	/ 3.0	W=	.013444	/ 6.6	T=	1.794	/ 4.6
LAT= 36.0	U=	4.431	/ .3	V=	4.430	/ 3.1	W=	.011623	/ 6.9	T=	1.590	/ 4.8
LAT= 42.0	U=	5.179	/ .4	V=	5.579	/ 3.3	W=	.009001	/ 7.1	T=	1.268	/ 5.0
LAT= 48.0	U=	5.598	/ .4	V=	6.122	/ 3.4	W=	.006221	/ 7.5	T=	.907	/ 5.2
LAT= 54.0	U=	5.603	/ .5	V=	6.057	/ 3.4	W=	.003826	/ 7.9	T=	.581	/ 5.6
LAT= 60.0	U=	5.187	/ .5	V=	5.489	/ 3.5	W=	.002108	/ 8.5	T=	.335	/ 6.0
LAT= 66.0	U=	4.415	/ .6	V=	4.574	/ 3.6	W=	.001096	/ 9.5	T=	.175	/ 6.8
LAT= 72.0	U=	3.437	/ .6	V=	3.463	/ 3.6	W=	.000666	/ 10.4	T=	.099	/ 7.5
LAT= 78.0	U=	2.329	/ .7	V=	2.278	/ 3.7	W=	.000503	/ 10.2	T=	.066	/ 7.3
LAT= 84.0	U=	1.143	/ .7	V=	1.085	/ 3.7	W=	.000133	/ 9.2	T=	.018	/ 6.3

Z= 111.019 KM

LAT= 0.0	U=	.003	/ 11.0	V=	5.118	/ 8.5	W=	.000005	/ 6.0	T=	.001	/ 3.2
LAT= 6.0	U=	.602	/ 11.5	V=	4.666	/ 8.5	W=	.007119	/ 5.1	T=	.985	/ 2.9
LAT= 12.0	U=	1.292	/ 11.5	V=	3.388	/ 8.6	W=	.013109	/ 5.2	T=	1.820	/ 2.9
LAT= 18.0	U=	2.131	/ 11.5	V=	1.551	/ 9.2	W=	.017089	/ 5.2	T=	2.386	/ 3.0
LAT= 24.0	U=	3.117	/ 11.4	V=	1.169	/ 1.0	W=	.018623	/ 5.3	T=	2.621	/ 3.1
LAT= 30.0	U=	4.184	/ 11.4	V=	3.261	/ 1.9	W=	.017787	/ 5.5	T=	2.530	/ 3.3
LAT= 36.0	U=	5.198	/ 11.4	V=	5.150	/ 2.1	W=	.015121	/ 5.6	T=	2.183	/ 3.4
LAT= 42.0	U=	5.996	/ 11.4	V=	6.461	/ 2.3	W=	.011453	/ 5.8	T=	1.689	/ 3.6
LAT= 48.0	U=	6.425	/ 11.5	V=	7.061	/ 2.4	W=	.007668	/ 6.0	T=	1.170	/ 3.9
LAT= 54.0	U=	6.398	/ 11.5	V=	6.964	/ 2.5	W=	.004485	/ 6.4	T=	.728	/ 4.3
LAT= 60.0	U=	5.914	/ 11.6	V=	6.299	/ 2.6	W=	.002254	/ 6.9	T=	.411	/ 4.9
LAT= 66.0	U=	5.023	/ 11.7	V=	5.249	/ 2.7	W=	.000999	/ 7.9	T=	.216	/ 5.7
LAT= 72.0	U=	3.925	/ 11.7	V=	3.976	/ 2.7	W=	.000577	/ 9.1	T=	.135	/ 6.5
LAT= 78.0	U=	2.702	/ 11.8	V=	2.608	/ 2.8	W=	.000472	/ 8.7	T=	.088	/ 5.9
LAT= 84.0	U=	1.312	/ 11.8	V=	1.212	/ 2.9	W=	.000131	/ 7.6	T=	.023	/ 5.0

Z= 115.091 KM

LAT= 0.0	U=	.004	/ 9.9	V=	5.638	/ 7.6	W=	.000005	/ 4.9	T=	.001	/ 2.1
LAT= 6.0	U=	.678	/ 10.6	V=	5.176	/ 7.6	W=	.009278	/ 4.1	T=	1.392	/ 1.6
LAT= 12.0	U=	1.419	/ 10.6	V=	3.883	/ 7.8	W=	.017061	/ 4.2	T=	2.555	/ 1.6
LAT= 18.0	U=	2.259	/ 10.5	V=	2.077	/ 8.4	W=	.022212	/ 4.2	T=	3.316	/ 1.7
LAT= 24.0	U=	3.202	/ 10.5	V=	1.350	/ 11.2	W=	.024193	/ 4.3	T=	3.598	/ 1.8
LAT= 30.0	U=	4.192	/ 10.4	V=	3.154	/ .6	W=	.023150	/ 4.4	T=	3.429	/ 1.9
LAT= 36.0	U=	5.121	/ 10.4	V=	4.990	/ 1.0	W=	.019801	/ 4.5	T=	2.925	/ 2.1
LAT= 42.0	U=	5.848	/ 10.5	V=	6.283	/ 1.2	W=	.015195	/ 4.7	T=	2.245	/ 2.3
LAT= 48.0	U=	6.239	/ 10.5	V=	6.882	/ 1.4	W=	.010414	/ 4.8	T=	1.551	/ 2.5
LAT= 54.0	U=	6.211	/ 10.6	V=	6.806	/ 1.5	W=	.006327	/ 5.1	T=	.967	/ 2.9
LAT= 60.0	U=	5.759	/ 10.7	V=	6.175	/ 1.6	W=	.003348	/ 5.4	T=	.548	/ 3.4
LAT= 66.0	U=	4.901	/ 10.8	V=	5.165	/ 1.8	W=	.001499	/ 6.0	T=	.287	/ 4.1
LAT= 72.0	U=	3.873	/ 10.9	V=	3.928	/ 1.9	W=	.000751	/ 6.9	T=	.178	/ 4.8
LAT= 78.0	U=	2.704	/ 10.9	V=	2.575	/ 1.9	W=	.000575	/ 6.6	T=	.108	/ 4.2
LAT= 84.0	U=	1.299	/ 10.9	V=	1.171	/ 2.0	W=	.000180	/ 5.6	T=	.030	/ 3.0

Z= 119.451 KM

LAT= 0.0	U=	.004	/ 8.9	V=	5.688	/ 6.7	W=	.000005	/ 3.7	T=	.001	/ 1.1
LAT= 6.0	U=	.687	/ 9.7	V=	5.258	/ 6.8	W=	.011409	/ 3.3	T=	1.714	/ .5
LAT= 12.0	U=	1.404	/ 9.7	V=	4.061	/ 7.0	W=	.021025	/ 3.3	T=	3.146	/ .5
LAT= 18.0	U=	2.174	/ 9.6	V=	2.439	/ 7.6	W=	.027486	/ 3.4	T=	4.084	/ .6
LAT= 24.0	U=	2.997	/ 9.5	V=	1.584	/ 9.7	W=	.030143	/ 3.5	T=	4.438	/ .7
LAT= 30.0	U=	3.844	/ 9.5	V=	2.874	/ 11.4	W=	.029162	/ 3.5	T=	4.251	/ .8
LAT= 36.0	U=	4.632	/ 9.5	V=	4.475	/ 11.9	W=	.025376	/ 3.6	T=	3.662	/ 1.0
LAT= 42.0	U=	5.250	/ 9.5	V=	5.635	/ .2	W=	.019997	/ 3.8	T=	2.863	/ 1.1
LAT= 48.0	U=	5.585	/ 9.6	V=	6.184	/ .4	W=	.014275	/ 3.9	T=	2.037	/ 1.4
LAT= 54.0	U=	5.566	/ 9.7	V=	6.132	/ .6	W=	.009232	/ 4.2	T=	1.329	/ 1.7
LAT= 60.0	U=	5.181	/ 9.8	V=	5.582	/ .7	W=	.005371	/ 4.4	T=	.796	/ 2.1
LAT= 66.0	U=	4.424	/ 9.9	V=	4.687	/ .9	W=	.002747	/ 4.9	T=	.439	/ 2.7
LAT= 72.0	U=	3.542	/ 10.0	V=	3.576	/ 1.0	W=	.001523	/ 5.4	T=	.265	/ 3.1
LAT= 78.0	U=	2.499	/ 10.1	V=	2.344	/ 1.1	W=	.000939	/ 5.1	T=	.146	/ 2.5
LAT= 84.0	U=	1.183	/ 10.1	V=	1.048	/ 1.3	W=	.000298	/ 4.2	T=	.042	/ 1.3

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 124.175 KM

LAT= 0.0	U=	.004 /	8.1	V=	5.478 /	5.9	W=	.000006 /	2.6	T=	.001 /	.4
LAT= 6.0	U=	.665 /	8.9	V=	5.086 /	6.0	W=	.013423 /	2.6	T=	1.855 /	11.6
LAT= 12.0	U=	1.338 /	8.8	V=	4.008 /	6.2	W=	.024831 /	2.6	T=	3.415 /	11.7
LAT= 18.0	U=	2.028 /	8.7	V=	2.572 /	6.9	W=	.032674 /	2.7	T=	4.462 /	11.8
LAT= 24.0	U=	2.745 /	8.7	V=	1.759 /	8.6	W=	.036179 /	2.8	T=	4.896 /	11.9
LAT= 30.0	U=	3.472 /	8.6	V=	2.684 /	10.3	W=	.035470 /	2.9	T=	4.754 /	12.0
LAT= 36.0	U=	4.151 /	8.6	V=	4.037 /	10.9	W=	.031442 /	3.0	T=	4.176 /	.1
LAT= 42.0	U=	4.683 /	8.6	V=	5.046 /	11.2	W=	.025424 /	3.1	T=	3.357 /	.3
LAT= 48.0	U=	4.976 /	8.7	V=	5.529 /	11.5	W=	.018815 /	3.3	T=	2.481 /	.6
LAT= 54.0	U=	4.966 /	8.8	V=	5.485 /	11.7	W=	.012805 /	3.5	T=	1.703 /	.9
LAT= 60.0	U=	4.636 /	8.9	V=	4.997 /	11.9	W=	.007999 /	3.8	T=	1.088 /	1.2
LAT= 66.0	U=	3.971 /	9.1	V=	4.201 /	12.0	W=	.004513 /	4.3	T=	.641 /	1.7
LAT= 72.0	U=	3.209 /	9.2	V=	3.211 /	.2	W=	.002712 /	4.6	T=	.393 /	1.9
LAT= 78.0	U=	2.270 /	9.3	V=	2.103 /	.3	W=	.001458 /	4.2	T=	.188 /	1.3
LAT= 84.0	U=	1.070 /	9.3	V=	.933 /	.6	W=	.000424 /	3.2	T=	.047 /	.1

Z= 129.367 KM

LAT= 0.0	U=	.004 /	7.5	V=	5.184 /	5.1	W=	.000006 /	1.7	T=	.001 /	11.9
LAT= 6.0	U=	.631 /	8.2	V=	4.822 /	5.2	W=	.015195 /	2.0	T=	1.843 /	11.0
LAT= 12.0	U=	1.258 /	8.1	V=	3.834 /	5.5	W=	.028239 /	2.0	T=	3.411 /	11.0
LAT= 18.0	U=	1.890 /	7.9	V=	2.544 /	6.1	W=	.037433 /	2.1	T=	4.496 /	11.1
LAT= 24.0	U=	2.541 /	7.8	V=	1.817 /	7.7	W=	.041874 /	2.2	T=	4.997 /	11.2
LAT= 30.0	U=	3.204 /	7.7	V=	2.563 /	9.3	W=	.041603 /	2.3	T=	4.935 /	11.4
LAT= 36.0	U=	3.824 /	7.7	V=	3.737 /	10.0	W=	.037509 /	2.4	T=	4.434 /	11.5
LAT= 42.0	U=	4.308 /	7.7	V=	4.627 /	10.4	W=	.030996 /	2.6	T=	3.665 /	11.7
LAT= 48.0	U=	4.572 /	7.8	V=	5.055 /	10.6	W=	.023590 /	2.8	T=	2.806 /	12.0
LAT= 54.0	U=	4.566 /	7.9	V=	5.013 /	10.9	W=	.016652 /	3.1	T=	2.009 /	.3
LAT= 60.0	U=	4.273 /	8.1	V=	4.574 /	11.1	W=	.010914 /	3.4	T=	1.348 /	.6
LAT= 66.0	U=	3.670 /	8.2	V=	3.852 /	11.2	W=	.006549 /	3.8	T=	.835 /	1.0
LAT= 72.0	U=	2.984 /	8.4	V=	2.953 /	11.4	W=	.004088 /	4.0	T=	.515 /	1.1
LAT= 78.0	U=	2.103 /	8.4	V=	1.939 /	11.6	W=	.001989 /	3.4	T=	.222 /	.6
LAT= 84.0	U=	.987 /	8.5	V=	.868 /	11.9	W=	.000514 /	2.2	T=	.044 /	11.2

Z= 135.169 KM

LAT= 0.0	U=	.003 /	7.2	V=	4.904 /	4.4	W=	.000008 /	1.0	T=	.001 /	11.5
LAT= 6.0	U=	.593 /	7.5	V=	4.566 /	4.5	W=	.016651 /	1.4	T=	1.747 /	10.4
LAT= 12.0	U=	1.184 /	7.4	V=	3.643 /	4.7	W=	.031072 /	1.4	T=	3.256 /	10.5
LAT= 18.0	U=	1.788 /	7.2	V=	2.447 /	5.4	W=	.041471 /	1.5	T=	4.339 /	10.6
LAT= 24.0	U=	2.421 /	7.0	V=	1.774 /	6.9	W=	.046822 /	1.6	T=	4.891 /	10.7
LAT= 30.0	U=	3.071 /	6.9	V=	2.437 /	8.5	W=	.047058 /	1.7	T=	4.918 /	10.8
LAT= 36.0	U=	3.676 /	6.9	V=	3.509 /	9.2	W=	.043032 /	1.9	T=	4.515 /	11.0
LAT= 42.0	U=	4.140 /	6.9	V=	4.332 /	9.6	W=	.036176 /	2.1	T=	3.830 /	11.2
LAT= 48.0	U=	4.385 /	7.0	V=	4.739 /	9.8	W=	.028109 /	2.3	T=	3.019 /	11.4
LAT= 54.0	U=	4.377 /	7.1	V=	4.717 /	10.1	W=	.020354 /	2.6	T=	2.234 /	11.7
LAT= 60.0	U=	4.104 /	7.3	V=	4.329 /	10.3	W=	.013766 /	3.0	T=	1.552 /	12.0
LAT= 66.0	U=	3.537 /	7.4	V=	3.670 /	10.5	W=	.008589 /	3.4	T=	.994 /	.4
LAT= 72.0	U=	2.890 /	7.6	V=	2.834 /	10.6	W=	.005423 /	3.5	T=	.613 /	.5
LAT= 78.0	U=	2.022 /	7.6	V=	1.876 /	10.8	W=	.002430 /	2.9	T=	.245 /	11.9
LAT= 84.0	U=	.952 /	7.8	V=	.867 /	11.3	W=	.000561 /	1.2	T=	.037 /	10.4

Z= 141.772 KM

LAT= 0.0	U=	.003 /	6.9	V=	4.676 /	3.6	W=	.000010 /	.5	T=	.001 /	11.1
LAT= 6.0	U=	.555 /	6.8	V=	4.359 /	3.7	W=	.017888 /	.8	T=	1.628 /	9.9
LAT= 12.0	U=	1.124 /	6.7	V=	3.490 /	4.0	W=	.033473 /	.9	T=	3.048 /	9.9
LAT= 18.0	U=	1.728 /	6.5	V=	2.354 /	4.6	W=	.044882 /	1.0	T=	4.102 /	10.0
LAT= 24.0	U=	2.374 /	6.3	V=	1.678 /	6.1	W=	.050999 /	1.1	T=	4.688 /	10.2
LAT= 30.0	U=	3.036 /	6.2	V=	2.266 /	7.7	W=	.051681 /	1.2	T=	4.793 /	10.3
LAT= 36.0	U=	3.642 /	6.2	V=	3.289 /	8.4	W=	.047759 /	1.4	T=	4.489 /	10.5
LAT= 42.0	U=	4.094 /	6.2	V=	4.096 /	8.8	W=	.040680 /	1.6	T=	3.895 /	10.7
LAT= 48.0	U=	4.324 /	6.3	V=	4.520 /	9.1	W=	.032109 /	1.9	T=	3.143 /	11.0
LAT= 54.0	U=	4.311 /	6.5	V=	4.543 /	9.3	W=	.023684 /	2.2	T=	2.383 /	11.2
LAT= 60.0	U=	4.053 /	6.6	V=	4.213 /	9.5	W=	.016369 /	2.6	T=	1.697 /	11.5
LAT= 66.0	U=	3.508 /	6.7	V=	3.610 /	9.7	W=	.010475 /	3.0	T=	1.110 /	11.8
LAT= 72.0	U=	2.883 /	6.9	V=	2.820 /	9.9	W=	.006612 /	3.1	T=	.683 /	11.9
LAT= 78.0	U=	2.005 /	6.9	V=	1.891 /	10.1	W=	.002773 /	2.4	T=	.263 /	11.4
LAT= 84.0	U=	.951 /	7.1	V=	.914 /	10.7	W=	.000585 /	.3	T=	.029 /	9.9

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 149.425 KM

LAT= 0.0	U=	.003 /	6.7	V=	4.505 /	2.9	W=	.000011 /	.1	T=	.001 /	10.7
LAT= 6.0	U=	.520 /	6.1	V=	4.208 /	3.0	W=	.019110 /	.2	T=	1.505 /	9.3
LAT= 12.0	U=	1.074 /	6.0	V=	3.391 /	3.2	W=	.035789 /	.3	T=	2.835 /	9.4
LAT= 18.0	U=	1.683 /	5.8	V=	2.301 /	3.8	W=	.048070 /	.4	T=	3.846 /	9.5
LAT= 24.0	U=	2.339 /	5.7	V=	1.569 /	5.3	W=	.054784 /	.6	T=	4.445 /	9.6
LAT= 30.0	U=	3.000 /	5.7	V=	2.049 /	7.0	W=	.055780 /	.7	T=	4.609 /	9.8
LAT= 36.0	U=	3.594 /	5.6	V=	3.034 /	7.7	W=	.051919 /	.9	T=	4.388 /	10.0
LAT= 42.0	U=	4.027 /	5.7	V=	3.848 /	8.1	W=	.044683 /	1.2	T=	3.878 /	10.2
LAT= 48.0	U=	4.237 /	5.8	V=	4.307 /	8.4	W=	.035745 /	1.5	T=	3.192 /	10.5
LAT= 54.0	U=	4.225 /	5.9	V=	4.386 /	8.7	W=	.026788 /	1.8	T=	2.464 /	10.8
LAT= 60.0	U=	3.990 /	6.0	V=	4.115 /	8.9	W=	.018836 /	2.1	T=	1.786 /	11.0
LAT= 66.0	U=	3.475 /	6.1	V=	3.566 /	9.1	W=	.012282 /	2.5	T=	1.188 /	11.3
LAT= 72.0	U=	2.874 /	6.2	V=	2.817 /	9.3	W=	.007717 /	2.6	T=	.728 /	11.3
LAT= 78.0	U=	1.992 /	6.3	V=	1.915 /	9.5	W=	.003076 /	1.9	T=	.277 /	10.9
LAT= 84.0	U=	.954 /	6.5	V=	.967 /	10.1	W=	.000542 /	11.8	T=	.027 /	9.8

Z= 158.420 KM

LAT= 0.0	U=	.003 /	6.3	V=	4.386 /	2.2	W=	.000014 /	11.8	T=	.001 /	10.4
LAT= 6.0	U=	.489 /	5.3	V=	4.109 /	2.3	W=	.020449 /	11.7	T=	1.398 /	8.8
LAT= 12.0	U=	1.016 /	5.3	V=	3.341 /	2.5	W=	.038280 /	11.8	T=	2.642 /	8.9
LAT= 18.0	U=	1.607 /	5.2	V=	2.291 /	3.0	W=	.051406 /	11.9	T=	3.603 /	9.0
LAT= 24.0	U=	2.239 /	5.1	V=	1.475 /	4.4	W=	.058635 /	12.0	T=	4.195 /	9.1
LAT= 30.0	U=	2.863 /	5.1	V=	1.793 /	6.2	W=	.059858 /	.2	T=	4.393 /	9.3
LAT= 36.0	U=	3.420 /	5.1	V=	2.726 /	7.1	W=	.056033 /	.5	T=	4.237 /	9.5
LAT= 42.0	U=	3.827 /	5.1	V=	3.539 /	7.5	W=	.048693 /	.7	T=	3.803 /	9.8
LAT= 48.0	U=	4.029 /	5.2	V=	4.034 /	7.8	W=	.039499 /	1.0	T=	3.180 /	10.0
LAT= 54.0	U=	4.034 /	5.3	V=	4.169 /	8.1	W=	.030113 /	1.3	T=	2.492 /	10.3
LAT= 60.0	U=	3.844 /	5.4	V=	3.962 /	8.3	W=	.021561 /	1.6	T=	1.831 /	10.5
LAT= 66.0	U=	3.381 /	5.5	V=	3.468 /	8.5	W=	.014313 /	2.0	T=	1.235 /	10.8
LAT= 72.0	U=	2.813 /	5.6	V=	2.764 /	8.7	W=	.008949 /	2.0	T=	.758 /	10.8
LAT= 78.0	U=	1.948 /	5.6	V=	1.898 /	8.9	W=	.003402 /	1.5	T=	.289 /	10.4
LAT= 84.0	U=	.944 /	5.9	V=	.996 /	9.5	W=	.000382 /	11.6	T=	.032 /	10.0

Z= 181.310 KM

LAT= 0.0	U=	.003 /	5.7	V=	4.296 /	.9	W=	.000020 /	11.3	T=	.001 /	10.0
LAT= 6.0	U=	.426 /	3.8	V=	4.053 /	1.0	W=	.023461 /	10.7	T=	1.242 /	7.8
LAT= 12.0	U=	.887 /	3.8	V=	3.373 /	1.2	W=	.043786 /	10.7	T=	2.345 /	8.0
LAT= 18.0	U=	1.401 /	3.8	V=	2.402 /	1.6	W=	.058626 /	10.9	T=	3.203 /	8.1
LAT= 24.0	U=	1.945 /	3.9	V=	1.453 /	2.5	W=	.066854 /	11.0	T=	3.753 /	8.3
LAT= 30.0	U=	2.478 /	3.9	V=	1.307 /	4.5	W=	.068585 /	11.3	T=	3.973 /	8.5
LAT= 36.0	U=	2.968 /	3.9	V=	2.051 /	5.8	W=	.065028 /	11.5	T=	3.901 /	8.8
LAT= 42.0	U=	3.350 /	4.0	V=	2.836 /	6.3	W=	.057766 /	11.8	T=	3.589 /	9.0
LAT= 48.0	U=	3.557 /	4.1	V=	3.383 /	6.7	W=	.048371 /	12.0	T=	3.086 /	9.2
LAT= 54.0	U=	3.607 /	4.2	V=	3.628 /	6.9	W=	.038374 /	.3	T=	2.484 /	9.4
LAT= 60.0	U=	3.510 /	4.3	V=	3.558 /	7.1	W=	.028638 /	.6	T=	1.871 /	9.6
LAT= 66.0	U=	3.168 /	4.4	V=	3.195 /	7.3	W=	.019768 /	.9	T=	1.293 /	9.8
LAT= 72.0	U=	2.662 /	4.4	V=	2.590 /	7.5	W=	.012340 /	.9	T=	.794 /	9.8
LAT= 78.0	U=	1.826 /	4.5	V=	1.798 /	7.8	W=	.004332 /	.6	T=	.310 /	9.6
LAT= 84.0	U=	.895 /	4.8	V=	.980 /	8.5	W=	.000250 /	2.5	T=	.053 /	10.0

Z= 209.865 KM

LAT= 0.0	U=	.003 /	5.1	V=	4.362 /	12.0	W=	.000025 /	10.7	T=	.001 /	9.9
LAT= 6.0	U=	.372 /	2.5	V=	4.142 /	12.0	W=	.026085 /	9.8	T=	1.157 /	7.3
LAT= 12.0	U=	.770 /	2.6	V=	3.520 /	.2	W=	.048358 /	9.9	T=	2.181 /	7.4
LAT= 18.0	U=	1.221 /	2.7	V=	2.615 /	.5	W=	.064289 /	10.1	T=	2.975 /	7.6
LAT= 24.0	U=	1.712 /	2.7	V=	1.647 /	1.2	W=	.073103 /	10.2	T=	3.492 /	7.8
LAT= 30.0	U=	2.209 /	2.8	V=	1.138 /	2.9	W=	.075350 /	10.4	T=	3.720 /	8.1
LAT= 36.0	U=	2.694 /	2.9	V=	1.594 /	4.6	W=	.072385 /	10.7	T=	3.697 /	8.3
LAT= 42.0	U=	3.096 /	3.0	V=	2.317 /	5.3	W=	.065572 /	11.0	T=	3.462 /	8.5
LAT= 48.0	U=	3.322 /	3.1	V=	2.893 /	5.7	W=	.056299 /	11.3	T=	3.041 /	8.7
LAT= 54.0	U=	3.395 /	3.2	V=	3.227 /	6.0	W=	.046008 /	11.6	T=	2.499 /	8.9
LAT= 60.0	U=	3.352 /	3.4	V=	3.280 /	6.2	W=	.035336 /	11.9	T=	1.918 /	9.1
LAT= 66.0	U=	3.091 /	3.5	V=	3.034 /	6.4	W=	.024984 /	.2	T=	1.350 /	9.2
LAT= 72.0	U=	2.626 /	3.5	V=	2.510 /	6.6	W=	.015661 /	.2	T=	.834 /	9.2
LAT= 78.0	U=	1.791 /	3.5	V=	1.758 /	6.8	W=	.005429 /	12.0	T=	.331 /	9.1
LAT= 84.0	U=	.876 /	3.9	V=	.957 /	7.5	W=	.000709 /	1.9	T=	.072 /	9.6

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200 and 1400 K (contd)

T_o = 1000 K

Z= 240.988 KM

LAT= 0.0	U=	.001 /	4.8	V=	4.497 /	11.3	W=	.000029 /	10.3	T=	.001 /	9.9
LAT= 6.0	U=	.348 /	1.5	V=	4.282 /	11.4	W=	.027524 /	9.2	T=	1.128 /	7.0
LAT= 12.0	U=	.720 /	1.6	V=	3.678 /	11.5	W=	.050759 /	9.3	T=	2.123 /	7.2
LAT= 18.0	U=	1.141 /	1.8	V=	2.799 /	11.9	W=	.067121 /	9.5	T=	2.893 /	7.4
LAT= 24.0	U=	1.618 /	1.9	V=	1.840 /	.5	W=	.076198 /	9.6	T=	3.402 /	7.6
LAT= 30.0	U=	2.122 /	2.0	V=	1.189 /	1.9	W=	.078886 /	9.9	T=	3.640 /	7.8
LAT= 36.0	U=	2.642 /	2.2	V=	1.418 /	3.7	W=	.076458 /	10.1	T=	3.642 /	8.0
LAT= 42.0	U=	3.088 /	2.3	V=	2.084 /	4.6	W=	.069934 /	10.4	T=	3.448 /	8.3
LAT= 48.0	U=	3.338 /	2.5	V=	2.680 /	5.1	W=	.060640 /	10.8	T=	3.065 /	8.5
LAT= 54.0	U=	3.415 /	2.6	V=	3.075 /	5.4	W=	.050159 /	11.1	T=	2.549 /	8.6
LAT= 60.0	U=	3.386 /	2.8	V=	3.207 /	5.6	W=	.038952 /	11.4	T=	1.976 /	8.8
LAT= 66.0	U=	3.157 /	2.9	V=	3.033 /	5.8	W=	.027674 /	11.7	T=	1.404 /	9.0
LAT= 72.0	U=	2.698 /	2.9	V=	2.546 /	6.0	W=	.017266 /	11.7	T=	.869 /	8.9
LAT= 78.0	U=	1.839 /	2.9	V=	1.797 /	6.2	W=	.005978 /	11.7	T=	.350 /	8.9
LAT= 84.0	U=	.901 /	3.2	V=	.978 /	6.8	W=	.001379 /	1.2	T=	.084 /	9.3

Z= 272.801 KM

LAT= 0.0	U=	.001 /	4.5	V=	4.636 /	11.0	W=	.000033 /	10.0	T=	.001 /	9.9
LAT= 6.0	U=	.355 /	.9	V=	4.421 /	11.0	W=	.028041 /	8.8	T=	1.126 /	6.9
LAT= 12.0	U=	.731 /	1.0	V=	3.817 /	11.2	W=	.051707 /	8.9	T=	2.117 /	7.0
LAT= 18.0	U=	1.154 /	1.2	V=	2.947 /	11.5	W=	.068407 /	9.0	T=	2.885 /	7.2
LAT= 24.0	U=	1.638 /	1.4	V=	1.989 /	.1	W=	.077773 /	9.2	T=	3.395 /	7.5
LAT= 30.0	U=	2.168 /	1.6	V=	1.280 /	1.4	W=	.080735 /	9.4	T=	3.641 /	7.7
LAT= 36.0	U=	2.726 /	1.8	V=	1.387 /	3.2	W=	.078416 /	9.7	T=	3.657 /	7.9
LAT= 42.0	U=	3.211 /	1.9	V=	2.024 /	4.1	W=	.071645 /	10.0	T=	3.481 /	8.1
LAT= 48.0	U=	3.480 /	2.1	V=	2.642 /	4.7	W=	.061942 /	10.4	T=	3.113 /	8.3
LAT= 54.0	U=	3.556 /	2.3	V=	3.080 /	5.0	W=	.051231 /	10.8	T=	2.604 /	8.5
LAT= 60.0	U=	3.519 /	2.4	V=	3.259 /	5.3	W=	.039850 /	11.1	T=	2.027 /	8.7
LAT= 66.0	U=	3.291 /	2.6	V=	3.119 /	5.5	W=	.028192 /	11.4	T=	1.444 /	8.8
LAT= 72.0	U=	2.816 /	2.6	V=	2.636 /	5.6	W=	.017362 /	11.4	T=	.896 /	8.8
LAT= 78.0	U=	1.916 /	2.6	V=	1.864 /	5.9	W=	.005832 /	11.5	T=	.364 /	8.8
LAT= 84.0	U=	.944 /	2.9	V=	1.015 /	6.5	W=	.002008 /	1.1	T=	.091 /	9.2

Z= 304.762 KM

LAT= 0.0	U=	.001 /	4.4	V=	4.756 /	10.8	W=	.000036 /	9.7	T=	.001 /	9.9
LAT= 6.0	U=	.377 /	.5	V=	4.542 /	10.8	W=	.028036 /	8.4	T=	1.139 /	6.8
LAT= 12.0	U=	.770 /	.7	V=	3.940 /	11.0	W=	.051863 /	8.5	T=	2.135 /	7.0
LAT= 18.0	U=	1.207 /	.9	V=	3.070 /	11.3	W=	.068886 /	8.6	T=	2.910 /	7.2
LAT= 24.0	U=	1.711 /	1.1	V=	2.105 /	11.9	W=	.078504 /	8.8	T=	3.426 /	7.4
LAT= 30.0	U=	2.264 /	1.3	V=	1.364 /	1.1	W=	.081476 /	9.1	T=	3.679 /	7.7
LAT= 36.0	U=	2.855 /	1.5	V=	1.409 /	2.9	W=	.078811 /	9.4	T=	3.703 /	7.9
LAT= 42.0	U=	3.369 /	1.7	V=	2.038 /	3.9	W=	.071350 /	9.7	T=	3.532 /	8.1
LAT= 48.0	U=	3.651 /	1.9	V=	2.679 /	4.5	W=	.060949 /	10.1	T=	3.168 /	8.3
LAT= 54.0	U=	3.722 /	2.1	V=	3.146 /	4.8	W=	.049973 /	10.5	T=	2.656 /	8.5
LAT= 60.0	U=	3.675 /	2.2	V=	3.354 /	5.1	W=	.038720 /	10.8	T=	2.071 /	8.6
LAT= 66.0	U=	3.435 /	2.4	V=	3.230 /	5.3	W=	.027175 /	11.1	T=	1.478 /	8.8
LAT= 72.0	U=	2.937 /	2.4	V=	2.737 /	5.5	W=	.016461 /	11.1	T=	.918 /	8.7
LAT= 78.0	U=	1.994 /	2.4	V=	1.935 /	5.7	W=	.005188 /	11.4	T=	.374 /	8.7
LAT= 84.0	U=	.985 /	2.7	V=	1.051 /	6.3	W=	.002418 /	1.0	T=	.096 /	9.1

Z= 336.754 KM

LAT= 0.0	U=	.001 /	4.3	V=	4.860 /	10.6	W=	.000039 /	9.5	T=	.001 /	9.9
LAT= 6.0	U=	.400 /	.3	V=	4.647 /	10.7	W=	.027741 /	8.1	T=	1.152 /	6.8
LAT= 12.0	U=	.813 /	.5	V=	4.047 /	10.9	W=	.051541 /	8.2	T=	2.166 /	7.0
LAT= 18.0	U=	1.268 /	.7	V=	3.173 /	11.2	W=	.068798 /	8.3	T=	2.954 /	7.2
LAT= 24.0	U=	1.791 /	.9	V=	2.198 /	11.7	W=	.078566 /	8.5	T=	3.480 /	7.4
LAT= 30.0	U=	2.365 /	1.2	V=	1.431 /	.9	W=	.081315 /	8.8	T=	3.737 /	7.6
LAT= 36.0	U=	2.980 /	1.4	V=	1.443 /	2.7	W=	.077982 /	9.1	T=	3.765 /	7.9
LAT= 42.0	U=	3.515 /	1.6	V=	2.076 /	3.8	W=	.069543 /	9.4	T=	3.596 /	8.1
LAT= 48.0	U=	3.806 /	1.8	V=	2.737 /	4.3	W=	.058237 /	9.8	T=	3.230 /	8.2
LAT= 54.0	U=	3.873 /	1.9	V=	3.226 /	4.7	W=	.046930 /	10.2	T=	2.711 /	8.4
LAT= 60.0	U=	3.817 /	2.1	V=	3.462 /	5.0	W=	.036008 /	10.6	T=	2.115 /	8.6
LAT= 66.0	U=	3.565 /	2.3	V=	3.334 /	5.2	W=	.024990 /	10.9	T=	1.511 /	8.7
LAT= 72.0	U=	3.043 /	2.3	V=	2.830 /	5.4	W=	.014862 /	10.9	T=	.938 /	8.7
LAT= 78.0	U=	2.062 /	2.3	V=	1.999 /	5.6	W=	.004217 /	11.2	T=	.385 /	8.7
LAT= 84.0	U=	1.020 /	2.6	V=	1.081 /	6.2	W=	.002612 /	1.1	T=	.099 /	9.0

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 368.753 KM

LAT= 0.0	U=	.001 /	4.2	V=	4.957 /	10.6	W=	.000043 /	9.3	T=	.001 /	9.9
LAT= 6.0	U=	.418 /	.2	V=	4.742 /	10.6	W=	.027320 /	7.8	T=	1.174 /	6.8
LAT= 12.0	U=	.849 /	.4	V=	4.141 /	10.8	W=	.051001 /	7.9	T=	2.207 /	6.9
LAT= 18.0	U=	1.320 /	.6	V=	3.260 /	11.1	W=	.068457 /	8.0	T=	3.009 /	7.2
LAT= 24.0	U=	1.860 /	.8	V=	2.270 /	11.7	W=	.078335 /	8.2	T=	3.546 /	7.4
LAT= 30.0	U=	2.453 /	1.1	V=	1.484 /	.8	W=	.080751 /	8.4	T=	3.808 /	7.6
LAT= 36.0	U=	3.086 /	1.3	V=	1.477 /	2.6	W=	.076576 /	8.7	T=	3.839 /	7.8
LAT= 42.0	U=	3.637 /	1.5	V=	2.119 /	3.7	W=	.066980 /	9.1	T=	3.668 /	8.0
LAT= 48.0	U=	3.935 /	1.7	V=	2.798 /	4.3	W=	.054561 /	9.5	T=	3.296 /	8.2
LAT= 54.0	U=	4.000 /	1.9	V=	3.305 /	4.7	W=	.042740 /	9.9	T=	2.768 /	8.4
LAT= 60.0	U=	3.935 /	2.1	V=	3.542 /	5.0	W=	.032183 /	10.3	T=	2.161 /	8.6
LAT= 66.0	U=	3.673 /	2.2	V=	3.426 /	5.1	W=	.021952 /	10.6	T=	1.543 /	8.7
LAT= 72.0	U=	3.133 /	2.2	V=	2.910 /	5.3	W=	.012786 /	10.6	T=	.958 /	8.7
LAT= 78.0	U=	2.121 /	2.3	V=	2.052 /	5.5	W=	.003043 /	11.0	T=	.393 /	8.7
LAT= 84.0	U=	1.051 /	2.6	V=	1.108 /	6.1	W=	.002638 /	1.2	T=	.103 /	9.0

Z= 400.753 KM

LAT= 0.0	U=	.001 /	4.2	V=	5.051 /	10.6	W=	.000046 /	9.2	T=	.001 /	9.9
LAT= 6.0	U=	.431 /	.2	V=	4.835 /	10.6	W=	.026912 /	7.5	T=	1.197 /	6.8
LAT= 12.0	U=	.877 /	.3	V=	4.228 /	10.8	W=	.050520 /	7.6	T=	2.250 /	6.9
LAT= 18.0	U=	1.362 /	.6	V=	3.336 /	11.1	W=	.068261 /	7.7	T=	3.069 /	7.1
LAT= 24.0	U=	1.916 /	.8	V=	2.330 /	11.7	W=	.078353 /	7.9	T=	3.615 /	7.4
LAT= 30.0	U=	2.524 /	1.1	V=	1.524 /	.8	W=	.080486 /	8.1	T=	3.885 /	7.6
LAT= 36.0	U=	3.173 /	1.3	V=	1.510 /	2.6	W=	.075453 /	8.4	T=	3.916 /	7.8
LAT= 42.0	U=	3.736 /	1.5	V=	2.162 /	3.7	W=	.064636 /	8.7	T=	3.742 /	8.0
LAT= 48.0	U=	4.041 /	1.7	V=	2.858 /	4.3	W=	.050909 /	9.1	T=	3.363 /	8.2
LAT= 54.0	U=	4.104 /	1.9	V=	3.377 /	4.6	W=	.038242 /	9.5	T=	2.825 /	8.4
LAT= 60.0	U=	4.036 /	2.0	V=	3.622 /	4.9	W=	.027850 /	9.9	T=	2.206 /	8.6
LAT= 66.0	U=	3.765 /	2.2	V=	3.508 /	5.1	W=	.018453 /	10.3	T=	1.576 /	8.7
LAT= 72.0	U=	3.209 /	2.2	V=	2.980 /	5.3	W=	.010477 /	10.2	T=	.978 /	8.7
LAT= 78.0	U=	2.171 /	2.3	V=	2.100 /	5.5	W=	.001805 /	10.4	T=	.401 /	8.7
LAT= 84.0	U=	1.076 /	2.5	V=	1.131 /	6.1	W=	.002547 /	1.4	T=	.104 /	9.0

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 100.017 KM

LAT= 0.0	U=	0.000 /	.4	V=	2.209 /	10.1	W=	.000002 /	7.6	T=	0.000 /	4.8
LAT= 6.0	U=	.220 /	1.2	V=	1.950 /	10.1	W=	.003639 /	7.8	T=	.395 /	5.7
LAT= 12.0	U=	.511 /	1.2	V=	1.245 /	10.3	W=	.006574 /	7.9	T=	.719 /	5.8
LAT= 18.0	U=	.901 /	1.2	V=	.299 /	11.1	W=	.008351 /	8.1	T=	.927 /	5.9
LAT= 24.0	U=	1.358 /	1.2	V=	.790 /	3.8	W=	.008881 /	8.3	T=	1.000 /	6.0
LAT= 30.0	U=	1.805 /	1.3	V=	1.660 /	4.1	W=	.008376 /	8.5	T=	.953 /	6.2
LAT= 36.0	U=	2.159 /	1.3	V=	2.265 /	4.3	W=	.007188 /	8.8	T=	.818 /	6.4
LAT= 42.0	U=	2.355 /	1.4	V=	2.561 /	4.4	W=	.005668 /	9.2	T=	.637 /	6.6
LAT= 48.0	U=	2.371 /	1.5	V=	2.575 /	4.5	W=	.004100 /	9.5	T=	.450 /	6.8
LAT= 54.0	U=	2.223 /	1.6	V=	2.373 /	4.6	W=	.002705 /	9.9	T=	.286 /	7.1
LAT= 60.0	U=	1.943 /	1.6	V=	2.034 /	4.6	W=	.001606 /	10.4	T=	.160 /	7.4
LAT= 66.0	U=	1.585 /	1.7	V=	1.628 /	4.6	W=	.000887 /	11.0	T=	.081 /	8.0
LAT= 72.0	U=	1.196 /	1.7	V=	1.200 /	4.6	W=	.000495 /	11.5	T=	.041 /	8.3
LAT= 78.0	U=	.773 /	1.6	V=	.778 /	4.6	W=	.000289 /	11.9	T=	.020 /	8.8
LAT= 84.0	U=	.386 /	1.6	V=	.379 /	4.7	W=	.000064 /	10.6	T=	.005 /	7.5

Z= 103.521 KM

LAT= 0.0	U=	.001 /	.3	V=	2.720 /	9.7	W=	.000003 /	7.4	T=	0.000 /	4.6
LAT= 6.0	U=	.295 /	.9	V=	2.452 /	9.8	W=	.004307 /	7.1	T=	.481 /	5.1
LAT= 12.0	U=	.658 /	.8	V=	1.700 /	9.9	W=	.007863 /	7.2	T=	.891 /	5.2
LAT= 18.0	U=	1.130 /	.8	V=	.629 /	10.6	W=	.010142 /	7.3	T=	1.171 /	5.3
LAT= 24.0	U=	1.706 /	.9	V=	.762 /	3.1	W=	.010968 /	7.5	T=	1.296 /	5.4
LAT= 30.0	U=	2.337 /	.9	V=	1.972 /	3.6	W=	.010488 /	7.8	T=	1.268 /	5.6
LAT= 36.0	U=	2.932 /	1.0	V=	2.991 /	3.9	W=	.009061 /	8.1	T=	1.118 /	5.8
LAT= 42.0	U=	3.387 /	1.1	V=	3.670 /	4.0	W=	.007122 /	8.4	T=	.891 /	6.0
LAT= 48.0	U=	3.619 /	1.2	V=	3.952 /	4.1	W=	.005088 /	8.8	T=	.641 /	6.2
LAT= 54.0	U=	3.581 /	1.2	V=	3.854 /	4.2	W=	.003299 /	9.2	T=	.414 /	6.6
LAT= 60.0	U=	3.279 /	1.3	V=	3.451 /	4.3	W=	.001935 /	9.8	T=	.237 /	6.9
LAT= 66.0	U=	2.768 /	1.4	V=	2.850 /	4.4	W=	.001080 /	10.6	T=	.124 /	7.6
LAT= 72.0	U=	2.142 /	1.4	V=	2.142 /	4.4	W=	.000630 /	11.2	T=	.067 /	8.1
LAT= 78.0	U=	1.415 /	1.4	V=	1.404 /	4.4	W=	.000429 /	11.5	T=	.040 /	8.5
LAT= 84.0	U=	.701 /	1.4	V=	.678 /	4.5	W=	.000097 /	10.3	T=	.009 /	7.2

Z= 107.177 KM

LAT= 0.0	U=	.002 /	12.0	V=	3.759 /	9.3	W=	.000004 /	6.9	T=	.001 /	4.2
LAT= 6.0	U=	.420 /	.4	V=	3.405 /	9.3	W=	.005483 /	6.3	T=	.656 /	4.3
LAT= 12.0	U=	.924 /	.4	V=	2.399 /	9.4	W=	.010060 /	6.4	T=	1.214 /	4.3
LAT= 18.0	U=	1.570 /	.3	V=	.940 /	9.9	W=	.013053 /	6.5	T=	1.601 /	4.4
LAT= 24.0	U=	2.357 /	.3	V=	.969 /	2.5	W=	.014155 /	6.6	T=	1.772 /	4.5
LAT= 30.0	U=	3.219 /	.4	V=	2.657 /	3.0	W=	.013472 /	6.8	T=	1.727 /	4.7
LAT= 36.0	U=	4.040 /	.4	V=	4.100 /	3.2	W=	.011450 /	7.0	T=	1.508 /	4.8
LAT= 42.0	U=	4.677 /	.4	V=	5.077 /	3.3	W=	.008719 /	7.3	T=	1.185 /	5.1
LAT= 48.0	U=	5.009 /	.5	V=	5.498 /	3.4	W=	.005927 /	7.6	T=	.836 /	5.3
LAT= 54.0	U=	4.970 /	.5	V=	5.382 /	3.5	W=	.003589 /	8.1	T=	.529 /	5.7
LAT= 60.0	U=	4.568 /	.6	V=	4.833 /	3.6	W=	.001948 /	8.7	T=	.300 /	6.2
LAT= 66.0	U=	3.857 /	.7	V=	3.998 /	3.7	W=	.001040 /	9.7	T=	.158 /	7.0
LAT= 72.0	U=	2.996 /	.7	V=	3.011 /	3.7	W=	.000637 /	10.6	T=	.090 /	7.6
LAT= 78.0	U=	2.005 /	.8	V=	1.970 /	3.8	W=	.000479 /	10.6	T=	.060 /	7.7
LAT= 84.0	U=	.987 /	.8	V=	.940 /	3.8	W=	.000117 /	9.5	T=	.014 /	6.8

Z= 111.019 KM

LAT= 0.0	U=	.003 /	11.1	V=	4.767 /	8.5	W=	.000005 /	6.2	T=	.001 /	3.4
LAT= 6.0	U=	.554 /	11.6	V=	4.333 /	8.6	W=	.007223 /	5.3	T=	.920 /	3.1
LAT= 12.0	U=	1.194 /	11.6	V=	3.112 /	8.7	W=	.013237 /	5.4	T=	1.695 /	3.1
LAT= 18.0	U=	1.974 /	11.6	V=	1.373 /	9.3	W=	.017130 /	5.4	T=	2.213 /	3.2
LAT= 24.0	U=	2.891 /	11.5	V=	1.157 /	1.2	W=	.018489 /	5.5	T=	2.416 /	3.3
LAT= 30.0	U=	3.877 /	11.5	V=	3.114 /	2.0	W=	.017463 /	5.7	T=	2.318 /	3.5
LAT= 36.0	U=	4.806 /	11.5	V=	4.837 /	2.3	W=	.014663 /	5.8	T=	1.986 /	3.6
LAT= 42.0	U=	5.523 /	11.5	V=	6.002 /	2.4	W=	.010964 /	6.1	T=	1.526 /	3.9
LAT= 48.0	U=	5.893 /	11.6	V=	6.504 /	2.5	W=	.007241 /	6.3	T=	1.051 /	4.2
LAT= 54.0	U=	5.839 /	11.6	V=	6.368 /	2.6	W=	.004177 /	6.7	T=	.650 /	4.6
LAT= 60.0	U=	5.377 /	11.7	V=	5.724 /	2.7	W=	.002081 /	7.3	T=	.367 /	5.1
LAT= 66.0	U=	4.533 /	11.8	V=	4.743 /	2.8	W=	.000977 /	8.4	T=	.196 /	6.1
LAT= 72.0	U=	3.541 /	11.9	V=	3.578 /	2.9	W=	.000582 /	9.5	T=	.121 /	6.7
LAT= 78.0	U=	2.412 /	11.9	V=	2.337 /	2.9	W=	.000467 /	9.3	T=	.078 /	6.4
LAT= 84.0	U=	1.174 /	11.9	V=	1.087 /	3.0	W=	.000118 /	8.1	T=	.020 /	5.3

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 115.091 KM

LAT= 0.0	U=	.004	/ 10.1	V=	5.341	/ 7.7	W=	.000005	/ 5.2	T=	.001	/ 2.4
LAT= 6.0	U=	.640	/ 10.7	V=	4.888	/ 7.7	W=	.009238	/ 4.4	T=	1.227	/ 1.9
LAT= 12.0	U=	1.341	/ 10.7	V=	3.625	/ 7.9	W=	.016923	/ 4.4	T=	2.248	/ 1.9
LAT= 18.0	U=	2.147	/ 10.7	V=	1.877	/ 8.6	W=	.021895	/ 4.5	T=	2.908	/ 2.0
LAT= 24.0	U=	3.054	/ 10.6	V=	.321	/ 11.5	W=	.023649	/ 4.5	T=	3.142	/ 2.1
LAT= 30.0	U=	4.008	/ 10.6	V=	3.118	/ .8	W=	.022392	/ 4.6	T=	2.980	/ 2.2
LAT= 36.0	U=	4.899	/ 10.6	V=	4.865	/ 1.2	W=	.018914	/ 4.8	T=	2.526	/ 2.4
LAT= 42.0	U=	5.587	/ 10.6	V=	6.065	/ 1.4	W=	.014304	/ 4.9	T=	1.927	/ 2.6
LAT= 48.0	U=	5.945	/ 10.6	V=	6.594	/ 1.5	W=	.009635	/ 5.1	T=	1.323	/ 2.9
LAT= 54.0	U=	5.894	/ 10.7	V=	6.477	/ 1.7	W=	.005723	/ 5.4	T=	.819	/ 3.3
LAT= 60.0	U=	5.450	/ 10.8	V=	5.840	/ 1.8	W=	.002962	/ 5.8	T=	.467	/ 3.8
LAT= 66.0	U=	4.600	/ 10.9	V=	4.859	/ 1.9	W=	.001323	/ 6.6	T=	.250	/ 4.7
LAT= 72.0	U=	3.632	/ 11.0	V=	3.678	/ 2.0	W=	.000679	/ 7.5	T=	.153	/ 5.2
LAT= 78.0	U=	2.514	/ 11.1	V=	2.400	/ 2.1	W=	.000515	/ 7.3	T=	.094	/ 4.8
LAT= 84.0	U=	1.210	/ 11.1	V=	1.090	/ 2.2	W=	.000152	/ 6.1	T=	.025	/ 3.5

Z= 119.451 KM

LAT= 0.0	U=	.005	/ 9.1	V=	5.515	/ 6.9	W=	.000005	/ 4.1	T=	.001	/ 1.5
LAT= 6.0	U=	.665	/ 9.9	V=	5.083	/ 6.9	W=	.011264	/ 3.5	T=	1.477	/ .8
LAT= 12.0	U=	1.365	/ 9.8	V=	3.886	/ 7.1	W=	.020682	/ 3.6	T=	2.702	/ .8
LAT= 18.0	U=	2.123	/ 9.7	V=	2.274	/ 7.8	W=	.026877	/ 3.6	T=	3.492	/ .9
LAT= 24.0	U=	2.944	/ 9.7	V=	1.544	/ 10.1	W=	.029241	/ 3.7	T=	3.774	/ 1.0
LAT= 30.0	U=	3.788	/ 9.6	V=	2.926	/ 11.6	W=	.028004	/ 3.8	T=	3.588	/ 1.2
LAT= 36.0	U=	4.573	/ 9.6	V=	4.506	/ .1	W=	.024075	/ 3.9	T=	3.065	/ 1.3
LAT= 42.0	U=	5.180	/ 9.7	V=	5.621	/ .4	W=	.018711	/ 4.0	T=	2.374	/ 1.5
LAT= 48.0	U=	5.498	/ 9.7	V=	6.123	/ .6	W=	.013146	/ 4.2	T=	1.673	/ 1.8
LAT= 54.0	U=	5.455	/ 9.8	V=	6.029	/ .7	W=	.008330	/ 4.5	T=	1.079	/ 2.2
LAT= 60.0	U=	5.066	/ 9.9	V=	5.453	/ .9	W=	.004768	/ 4.8	T=	.647	/ 2.6
LAT= 66.0	U=	4.284	/ 10.1	V=	4.553	/ 1.0	W=	.002402	/ 5.4	T=	.360	/ 3.2
LAT= 72.0	U=	3.425	/ 10.2	V=	3.459	/ 1.2	W=	.001331	/ 5.8	T=	.217	/ 3.6
LAT= 78.0	U=	2.401	/ 10.3	V=	2.257	/ 1.3	W=	.000826	/ 5.6	T=	.119	/ 3.1
LAT= 84.0	U=	1.142	/ 10.3	V=	1.005	/ 1.4	W=	.000260	/ 4.6	T=	.033	/ 1.8

Z= 124.175 KM

LAT= 0.0	U=	.005	/ 8.3	V=	5.445	/ 6.0	W=	.000005	/ 3.0	T=	.001	/ .9
LAT= 6.0	U=	.657	/ 9.1	V=	5.043	/ 6.1	W=	.013162	/ 2.8	T=	1.599	/ 11.9
LAT= 12.0	U=	1.325	/ 9.0	V=	3.937	/ 6.3	W=	.024268	/ 2.8	T=	2.934	/ 12.0
LAT= 18.0	U=	2.021	/ 8.9	V=	2.481	/ 7.0	W=	.031759	/ 2.9	T=	3.814	/ .1
LAT= 24.0	U=	2.752	/ 8.8	V=	1.741	/ 8.9	W=	.034911	/ 3.0	T=	4.157	/ .2
LAT= 30.0	U=	3.495	/ 8.7	V=	2.767	/ 10.5	W=	.033919	/ 3.1	T=	4.003	/ .3
LAT= 36.0	U=	4.184	/ 8.7	V=	4.133	/ 11.1	W=	.029749	/ 3.2	T=	3.485	/ .5
LAT= 42.0	U=	4.715	/ 8.7	V=	5.123	/ 11.4	W=	.023778	/ 3.3	T=	2.775	/ .7
LAT= 48.0	U=	4.994	/ 8.8	V=	5.572	/ 11.6	W=	.017379	/ 3.5	T=	2.034	/ 1.0
LAT= 54.0	U=	4.957	/ 8.9	V=	5.491	/ 11.8	W=	.011644	/ 3.8	T=	1.382	/ 1.3
LAT= 60.0	U=	4.621	/ 9.1	V=	4.975	/ 12.0	W=	.007212	/ 4.1	T=	.883	/ 1.6
LAT= 66.0	U=	3.917	/ 9.2	V=	4.162	/ .2	W=	.004030	/ 4.6	T=	.523	/ 2.2
LAT= 72.0	U=	3.163	/ 9.4	V=	3.171	/ .3	W=	.002417	/ 4.9	T=	.319	/ 2.3
LAT= 78.0	U=	2.230	/ 9.4	V=	2.069	/ .5	W=	.001322	/ 4.5	T=	.155	/ 1.8
LAT= 84.0	U=	1.051	/ 9.5	V=	.912	/ .7	W=	.000388	/ 3.5	T=	.039	/ .5

Z= 129.367 KM

LAT= 0.0	U=	.004	/ 7.8	V=	5.276	/ 5.3	W=	.000006	/ 2.0	T=	.001	/ .4
LAT= 6.0	U=	.632	/ 8.3	V=	4.898	/ 5.3	W=	.014832	/ 2.2	T=	1.604	/ 11.3
LAT= 12.0	U=	1.264	/ 8.2	V=	3.869	/ 5.6	W=	.027476	/ 2.2	T=	2.959	/ 11.3
LAT= 18.0	U=	1.912	/ 8.1	V=	2.538	/ 6.3	W=	.036245	/ 2.3	T=	3.881	/ 11.4
LAT= 24.0	U=	2.586	/ 7.9	V=	1.836	/ 7.9	W=	.040284	/ 2.3	T=	4.286	/ 11.5
LAT= 30.0	U=	3.270	/ 7.8	V=	2.651	/ 9.5	W=	.039704	/ 2.4	T=	4.201	/ 11.6
LAT= 36.0	U=	3.901	/ 7.8	V=	3.847	/ 10.1	W=	.035468	/ 2.6	T=	3.742	/ 11.8
LAT= 42.0	U=	4.385	/ 7.8	V=	4.729	/ 10.5	W=	.029032	/ 2.8	T=	3.071	/ 12.0
LAT= 48.0	U=	4.634	/ 7.9	V=	5.133	/ 10.8	W=	.021885	/ 3.0	T=	2.337	/ .3
LAT= 54.0	U=	4.600	/ 8.1	V=	5.064	/ 11.0	W=	.015268	/ 3.3	T=	1.661	/ .6
LAT= 60.0	U=	4.302	/ 8.2	V=	4.601	/ 11.2	W=	.009966	/ 3.6	T=	1.117	/ .9
LAT= 66.0	U=	3.662	/ 8.4	V=	3.862	/ 11.4	W=	.005951	/ 4.1	T=	.695	/ 1.4
LAT= 72.0	U=	2.978	/ 8.5	V=	2.954	/ 11.6	W=	.003700	/ 4.3	T=	.426	/ 1.5
LAT= 78.0	U=	2.097	/ 8.6	V=	1.935	/ 11.7	W=	.001841	/ 3.8	T=	.187	/ 1.0
LAT= 84.0	U=	.985	/ 8.7	V=	.860	/ 12.0	W=	.000479	/ 2.6	T=	.037	/ 11.6

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 135.169 KM

LAT= 0.0	U=	.003	/ 7.5	V=	5.094	/ 4.5	W=	.000007	/ 1.1	T=	.001	/ 12.0
LAT= 6.0	U=	.598	/ 7.6	V=	4.738	/ 4.6	W=	.016249	/ 1.5	T=	1.539	/ 10.6
LAT= 12.0	U=	1.201	/ 7.5	V=	3.769	/ 4.8	W=	.030232	/ 1.6	T=	2.859	/ 10.7
LAT= 18.0	U=	1.826	/ 7.3	V=	2.523	/ 5.5	W=	.040164	/ 1.7	T=	3.790	/ 10.8
LAT= 24.0	U=	2.485	/ 7.1	V=	1.834	/ 7.1	W=	.045070	/ 1.8	T=	4.249	/ 10.9
LAT= 30.0	U=	3.151	/ 7.0	V=	2.519	/ 8.6	W=	.044965	/ 1.9	T=	4.243	/ 11.1
LAT= 36.0	U=	3.761	/ 7.0	V=	3.607	/ 9.3	W=	.040779	/ 2.1	T=	3.868	/ 11.3
LAT= 42.0	U=	4.222	/ 7.0	V=	4.430	/ 9.7	W=	.034009	/ 2.3	T=	3.264	/ 11.5
LAT= 48.0	U=	4.452	/ 7.1	V=	4.822	/ 10.0	W=	.026232	/ 2.5	T=	2.564	/ 11.8
LAT= 54.0	U=	4.417	/ 7.3	V=	4.783	/ 10.2	W=	.018828	/ 2.8	T=	1.887	/ .1
LAT= 60.0	U=	4.146	/ 7.4	V=	4.377	/ 10.4	W=	.012717	/ 3.2	T=	1.315	/ .4
LAT= 66.0	U=	3.549	/ 7.6	V=	3.705	/ 10.6	W=	.007920	/ 3.7	T=	.845	/ .8
LAT= 72.0	U=	2.905	/ 7.7	V=	2.858	/ 10.8	W=	.004975	/ 3.8	T=	.518	/ .8
LAT= 78.0	U=	2.036	/ 7.8	V=	1.888	/ 11.0	W=	.002285	/ 3.2	T=	.212	/ .3
LAT= 84.0	U=	.958	/ 7.9	V=	.865	/ 11.4	W=	.000523	/ 1.5	T=	.031	/ 10.9

Z= 141.772 KM

LAT= 0.0	U=	.003	/ 7.3	V=	4.932	/ 3.8	W=	.000009	/ .6	T=	.001	/ 11.6
LAT= 6.0	U=	.561	/ 6.9	V=	4.599	/ 3.8	W=	.017543	/ .9	T=	1.447	/ 10.1
LAT= 12.0	U=	1.141	/ 6.7	V=	3.689	/ 4.1	W=	.032722	/ 1.0	T=	2.704	/ 10.1
LAT= 18.0	U=	1.766	/ 6.6	V=	2.505	/ 4.7	W=	.043659	/ 1.1	T=	3.623	/ 10.2
LAT= 24.0	U=	2.432	/ 6.4	V=	1.783	/ 6.2	W=	.049300	/ 1.2	T=	4.119	/ 10.4
LAT= 30.0	U=	3.102	/ 6.3	V=	2.342	/ 7.8	W=	.049596	/ 1.4	T=	4.186	/ 10.5
LAT= 36.0	U=	3.703	/ 6.3	V=	3.363	/ 8.5	W=	.045479	/ 1.6	T=	3.898	/ 10.7
LAT= 42.0	U=	4.149	/ 6.4	V=	4.169	/ 8.9	W=	.038476	/ 1.8	T=	3.369	/ 11.0
LAT= 48.0	U=	4.365	/ 6.5	V=	4.586	/ 9.2	W=	.030207	/ 2.1	T=	2.716	/ 11.2
LAT= 54.0	U=	4.329	/ 6.6	V=	4.599	/ 9.5	W=	.022145	/ 2.4	T=	2.051	/ 11.5
LAT= 60.0	U=	4.082	/ 6.7	V=	4.259	/ 9.7	W=	.015320	/ 2.8	T=	1.466	/ 11.8
LAT= 66.0	U=	3.518	/ 6.9	V=	3.646	/ 9.9	W=	.009811	/ 3.2	T=	.963	/ .2
LAT= 72.0	U=	2.902	/ 7.0	V=	2.846	/ 10.1	W=	.006161	/ 3.3	T=	.589	/ .2
LAT= 78.0	U=	2.024	/ 7.1	V=	1.905	/ 10.3	W=	.002651	/ 2.6	T=	.231	/ 11.7
LAT= 84.0	U=	.958	/ 7.3	V=	.909	/ 10.8	W=	.000537	/ .6	T=	.024	/ 10.4

Z= 149.425 KM

LAT= 0.0	U=	.003	/ 7.0	V=	4.800	/ 3.1	W=	.000011	/ .2	T=	.001	/ 11.2
LAT= 6.0	U=	.523	/ 6.1	V=	4.491	/ 3.1	W=	.018914	/ .3	T=	1.351	/ 9.5
LAT= 12.0	U=	1.082	/ 6.0	V=	3.641	/ 3.4	W=	.035285	/ .4	T=	2.538	/ 9.6
LAT= 18.0	U=	1.705	/ 5.9	V=	2.513	/ 3.9	W=	.047121	/ .5	T=	3.427	/ 9.7
LAT= 24.0	U=	2.374	/ 5.8	V=	1.728	/ 5.3	W=	.053330	/ .7	T=	3.941	/ 9.9
LAT= 30.0	U=	3.032	/ 5.8	V=	2.127	/ 7.0	W=	.053886	/ .9	T=	4.064	/ 10.0
LAT= 36.0	U=	3.612	/ 5.7	V=	3.083	/ 7.8	W=	.049789	/ 1.1	T=	3.851	/ 10.3
LAT= 42.0	U=	4.037	/ 5.8	V=	3.886	/ 8.2	W=	.042607	/ 1.4	T=	3.396	/ 10.5
LAT= 48.0	U=	4.239	/ 5.9	V=	4.340	/ 8.5	W=	.033968	/ 1.7	T=	2.795	/ 10.8
LAT= 54.0	U=	4.206	/ 6.0	V=	4.414	/ 8.8	W=	.025375	/ 2.0	T=	2.154	/ 11.1
LAT= 60.0	U=	3.992	/ 6.1	V=	4.141	/ 9.0	W=	.017908	/ 2.3	T=	1.567	/ 11.3
LAT= 66.0	U=	3.468	/ 6.3	V=	3.587	/ 9.2	W=	.011716	/ 2.7	T=	1.046	/ 11.6
LAT= 72.0	U=	2.885	/ 6.4	V=	2.832	/ 9.4	W=	.007336	/ 2.8	T=	.640	/ 11.6
LAT= 78.0	U=	2.008	/ 6.4	V=	1.920	/ 9.7	W=	.003005	/ 2.2	T=	.247	/ 11.2
LAT= 84.0	U=	.958	/ 6.6	V=	.954	/ 10.2	W=	.000490	/ .1	T=	.023	/ 10.5

Z= 158.420 KM

LAT= 0.0	U=	.003	/ 6.7	V=	4.703	/ 2.4	W=	.000014	/ 11.9	T=	.001	/ 10.8
LAT= 6.0	U=	.486	/ 5.4	V=	4.415	/ 2.4	W=	.020481	/ 11.8	T=	1.264	/ 9.0
LAT= 12.0	U=	1.014	/ 5.3	V=	3.623	/ 2.7	W=	.038153	/ 11.9	T=	2.379	/ 9.1
LAT= 18.0	U=	1.609	/ 5.2	V=	2.547	/ 3.2	W=	.050885	/ 12.0	T=	3.229	/ 9.2
LAT= 24.0	U=	2.244	/ 5.2	V=	1.694	/ 4.4	W=	.057586	/ .2	T=	3.741	/ 9.4
LAT= 30.0	U=	2.861	/ 5.2	V=	1.895	/ 6.2	W=	.058326	/ .4	T=	3.900	/ 9.6
LAT= 36.0	U=	3.404	/ 5.2	V=	2.763	/ 7.1	W=	.054229	/ .6	T=	3.748	/ 9.8
LAT= 42.0	U=	3.807	/ 5.2	V=	3.554	/ 7.6	W=	.046917	/ .9	T=	3.362	/ 10.1
LAT= 48.0	U=	4.005	/ 5.3	V=	4.037	/ 7.9	W=	.037996	/ 1.2	T=	2.817	/ 10.3
LAT= 54.0	U=	3.993	/ 5.4	V=	4.168	/ 8.2	W=	.028949	/ 1.5	T=	2.207	/ 10.6
LAT= 60.0	U=	3.825	/ 5.6	V=	3.964	/ 8.4	W=	.020[illegible]5	/ 1.8	T=	1.629	/ 10.8
LAT= 66.0	U=	3.363	/ 5.7	V=	3.474	/ 8.6	W=	.013923	/ 2.2	T=	1.103	/ 11.1
LAT= 72.0	U=	2.817	/ 5.8	V=	2.770	/ 8.8	W=	.008684	/ 2.2	T=	.674	/ 11.1
LAT= 78.0	U=	1.959	/ 5.8	V=	1.896	/ 9.1	W=	.003394	/ 1.7	T=	.262	/ 10.8
LAT= 84.0	U=	.943	/ 6.1	V=	.976	/ 9.7	W=	.000336	/ 12.0	T=	.030	/ 10.7

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 181.310 KM

LAT= 0.0	U=	.002	/ 6.0	V=	4.643	/ 1.2	W=	.000019	/ 11.5	T=	.001	/ 10.4
LAT= 6.0	U=	.423	/ 3.8	V=	4.389	/ 1.2	W=	.023955	/ 10.8	T=	1.127	/ 8.1
LAT= 12.0	U=	.877	/ 3.8	V=	3.684	/ 1.4	W=	.044450	/ 10.9	T=	2.123	/ 8.3
LAT= 18.0	U=	1.390	/ 3.9	V=	2.691	/ 1.8	W=	.059077	/ 11.0	T=	2.890	/ 8.4
LAT= 24.0	U=	1.941	/ 3.9	V=	1.747	/ 2.8	W=	.066875	/ 11.2	T=	3.377	/ 8.7
LAT= 30.0	U=	2.483	/ 4.0	V=	1.528	/ 4.5	W=	.068194	/ 11.4	T=	3.569	/ 8.9
LAT= 36.0	U=	2.983	/ 4.0	V=	2.159	/ 5.8	W=	.064388	/ 11.7	T=	3.504	/ 9.1
LAT= 42.0	U=	3.382	/ 4.1	V=	2.895	/ 6.4	W=	.057078	/ 12.0	T=	3.229	/ 9.4
LAT= 48.0	U=	3.599	/ 4.2	V=	3.418	/ 6.8	W=	.047755	/ .3	T=	2.788	/ 9.6
LAT= 54.0	U=	3.631	/ 4.3	V=	3.655	/ 7.1	W=	.037850	/ .6	T=	2.250	/ 9.9
LAT= 60.0	U=	3.542	/ 4.5	V=	3.590	/ 7.3	W=	.028370	/ .9	T=	1.703	/ 10.0
LAT= 66.0	U=	3.195	/ 4.6	V=	3.236	/ 7.5	W=	.019650	/ 1.3	T=	1.179	/ 10.3
LAT= 72.0	U=	2.705	/ 4.7	V=	2.632	/ 7.7	W=	.012166	/ 1.3	T=	.723	/ 10.2
LAT= 78.0	U=	1.867	/ 4.7	V=	1.827	/ 8.0	W=	.004362	/ 1.0	T=	.286	/ 10.1
LAT= 84.0	U=	.910	/ 5.0	V=	.972	/ 8.6	W=	.000339	/ 2.9	T=	.052	/ 10.6

Z= 209.865 KM

LAT= 0.0	U=	.002	/ 5.5	V=	4.742	/ .3	W=	.000023	/ 11.1	T=	.001	/ 10.3
LAT= 6.0	U=	.396	/ 2.5	V=	4.505	/ .3	W=	.026544	/ 10.0	T=	1.058	/ 7.7
LAT= 12.0	U=	.816	/ 2.6	V=	3.844	/ .5	W=	.049135	/ 10.1	T=	1.992	/ 7.8
LAT= 18.0	U=	1.288	/ 2.7	V=	2.901	/ .9	W=	.065228	/ 10.2	T=	2.717	/ 8.0
LAT= 24.0	U=	1.811	/ 2.8	V=	1.933	/ 1.6	W=	.074067	/ 10.4	T=	3.192	/ 8.3
LAT= 30.0	U=	2.350	/ 3.0	V=	1.450	/ 3.2	W=	.076223	/ 10.7	T=	3.407	/ 8.5
LAT= 36.0	U=	2.882	/ 3.1	V=	1.841	/ 4.7	W=	.073048	/ 11.0	T=	3.394	/ 8.7
LAT= 42.0	U=	3.328	/ 3.2	V=	2.530	/ 5.4	W=	.065956	/ 11.3	T=	3.187	/ 9.0
LAT= 48.0	U=	3.578	/ 3.3	V=	3.094	/ 5.9	W=	.056331	/ 11.6	T=	2.810	/ 9.2
LAT= 54.0	U=	3.629	/ 3.5	V=	3.422	/ 6.2	W=	.045681	/ 12.0	T=	2.313	/ 9.4
LAT= 60.0	U=	3.567	/ 3.6	V=	3.468	/ 6.5	W=	.034957	/ .3	T=	1.779	/ 9.6
LAT= 66.0	U=	3.268	/ 3.8	V=	3.214	/ 6.7	W=	.024619	/ .6	T=	1.250	/ 9.8
LAT= 72.0	U=	2.783	/ 3.8	V=	2.667	/ 6.9	W=	.015103	/ .6	T=	.768	/ 9.8
LAT= 78.0	U=	1.910	/ 3.8	V=	1.869	/ 7.1	W=	.005195	/ .5	T=	.310	/ 9.7
LAT= 84.0	U=	.933	/ 4.1	V=	1.001	/ 7.7	W=	.000877	/ 2.5	T=	.070	/ 10.2

Z= 240.988 KM

LAT= 0.0	U=	.002	/ 5.2	V=	4.896	/ 11.7	W=	.000027	/ 10.7	T=	.001	/ 10.3
LAT= 6.0	U=	.414	/ 1.7	V=	4.667	/ 11.8	W=	.027913	/ 9.4	T=	1.040	/ 7.5
LAT= 12.0	U=	.846	/ 1.8	V=	4.024	/ 12.0	W=	.051733	/ 9.5	T=	1.959	/ 7.6
LAT= 18.0	U=	1.324	/ 2.0	V=	3.103	/ .3	W=	.068854	/ 9.7	T=	2.677	/ 7.8
LAT= 24.0	U=	1.864	/ 2.1	V=	2.128	/ 1.0	W=	.078509	/ 9.9	T=	3.158	/ 8.1
LAT= 30.0	U=	2.440	/ 2.3	V=	1.528	/ 2.4	W=	.081259	/ 10.1	T=	3.390	/ 8.3
LAT= 36.0	U=	3.028	/ 2.5	V=	1.774	/ 3.9	W=	.078337	/ 10.5	T=	3.404	/ 8.6
LAT= 42.0	U=	3.530	/ 2.7	V=	2.443	/ 4.8	W=	.071043	/ 10.8	T=	3.229	/ 8.8
LAT= 48.0	U=	3.810	/ 2.8	V=	3.052	/ 5.3	W=	.060888	/ 11.2	T=	2.877	/ 9.0
LAT= 54.0	U=	3.864	/ 3.0	V=	3.449	/ 5.7	W=	.049648	/ 11.5	T=	2.392	/ 9.2
LAT= 60.0	U=	3.795	/ 3.1	V=	3.567	/ 6.0	W=	.038202	/ 11.8	T=	1.855	/ 9.4
LAT= 66.0	U=	3.493	/ 3.3	V=	3.360	/ 6.2	W=	.026933	/ .2	T=	1.313	/ 9.6
LAT= 72.0	U=	2.976	/ 3.3	V=	2.819	/ 6.4	W=	.016257	/ .2	T=	.805	/ 9.6
LAT= 78.0	U=	2.033	/ 3.3	V=	1.986	/ 6.6	W=	.005370	/ .2	T=	.330	/ 9.6
LAT= 84.0	U=	.999	/ 3.6	V=	1.067	/ 7.1	W=	.001507	/ 2.0	T=	.082	/ 10.0

Z= 272.801 KM

LAT= 0.0	U=	.002	/ 5.0	V=	5.039	/ 11.4	W=	.000030	/ 10.5	T=	.001	/ 10.3
LAT= 6.0	U=	.451	/ 1.2	V=	4.814	/ 11.5	W=	.028762	/ 8.9	T=	1.045	/ 7.4
LAT= 12.0	U=	.916	/ 1.3	V=	4.184	/ 11.6	W=	.053472	/ 9.0	T=	1.971	/ 7.6
LAT= 18.0	U=	1.423	/ 1.5	V=	3.272	/ 12.0	W=	.071431	/ 9.2	T=	2.697	/ 7.8
LAT= 24.0	U=	1.935	/ 1.7	V=	2.289	/ .7	W=	.081620	/ 9.4	T=	3.188	/ 8.0
LAT= 30.0	U=	2.509	/ 2.0	V=	1.631	/ 2.0	W=	.084450	/ 9.7	T=	3.433	/ 8.2
LAT= 36.0	U=	3.245	/ 2.2	V=	1.804	/ 3.5	W=	.081115	/ 10.1	T=	3.460	/ 8.5
LAT= 42.0	U=	3.789	/ 2.4	V=	2.476	/ 4.5	W=	.073023	/ 10.4	T=	3.297	/ 8.7
LAT= 48.0	U=	4.091	/ 2.5	V=	3.124	/ 5.0	W=	.062001	/ 10.8	T=	2.953	/ 8.9
LAT= 54.0	U=	4.141	/ 2.7	V=	3.568	/ 5.4	W=	.050220	/ 11.2	T=	2.466	/ 9.1
LAT= 60.0	U=	4.054	/ 2.8	V=	3.727	/ 5.7	W=	.038544	/ 11.5	T=	1.918	/ 9.3
LAT= 66.0	U=	3.731	/ 3.0	V=	3.543	/ 5.9	W=	.027032	/ 11.9	T=	1.360	/ 9.5
LAT= 72.0	U=	3.172	/ 3.0	V=	2.966	/ 6.1	W=	.015975	/ 11.9	T=	.835	/ 9.5
LAT= 78.0	U=	2.160	/ 3.1	V=	2.105	/ 6.3	W=	.004897	/ .1	T=	.344	/ 9.5
LAT= 84.0	U=	1.066	/ 3.3	V=	1.130	/ 6.9	W=	.002026	/ 1.9	T=	.089	/ 9.9

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 304.762 KM

LAT= 0.0	U=	.002	/ 4.9	V=	5.159	/ 11.2	W=	.000032	/ 10.2	T=	.001	/ 10.3
LAT= 6.0	U=	.488	/ .9	V=	4.938	/ 11.3	W=	.029509	/ 8.5	T=	1.063	/ 7.4
LAT= 12.0	U=	.987	/ 1.1	V=	4.316	/ 11.5	W=	.054995	/ 8.6	T=	2.005	/ 7.5
LAT= 18.0	U=	1.524	/ 1.3	V=	3.408	/ 11.8	W=	.073632	/ 8.8	T=	2.746	/ 7.7
LAT= 24.0	U=	2.126	/ 1.5	V=	2.414	/ .5	W=	.084063	/ 9.1	T=	3.249	/ 8.0
LAT= 30.0	U=	2.775	/ 1.8	V=	1.719	/ 1.7	W=	.086514	/ 9.4	T=	3.503	/ 8.2
LAT= 36.0	U=	3.445	/ 2.0	V=	1.853	/ 3.3	W=	.082233	/ 9.7	T=	3.537	/ 8.4
LAT= 42.0	U=	4.017	/ 2.2	V=	2.537	/ 4.3	W=	.072895	/ 10.1	T=	3.377	/ 8.7
LAT= 48.0	U=	4.332	/ 2.4	V=	3.218	/ 4.9	W=	.060706	/ 10.5	T=	3.030	/ 8.9
LAT= 54.0	U=	4.377	/ 2.5	V=	3.695	/ 5.3	W=	.048312	/ 10.9	T=	2.535	/ 9.1
LAT= 60.0	U=	4.275	/ 2.7	V=	3.879	/ 5.6	W=	.036714	/ 11.3	T=	1.975	/ 9.2
LAT= 66.0	U=	3.931	/ 2.9	V=	3.705	/ 5.8	W=	.025506	/ 11.6	T=	1.402	/ 9.5
LAT= 72.0	U=	3.335	/ 2.9	V=	3.129	/ 5.9	W=	.014721	/ 11.6	T=	.860	/ 9.4
LAT= 78.0	U=	2.266	/ 2.9	V=	2.205	/ 6.2	W=	.003967	/ 11.8	T=	.356	/ 9.5
LAT= 84.0	U=	1.121	/ 3.2	V=	1.180	/ 6.7	W=	.002332	/ 1.9	T=	.094	/ 9.8

Z= 336.754 KM

LAT= 0.0	U=	.002	/ 4.8	V=	5.265	/ 11.1	W=	.000035	/ 10.0	T=	.001	/ 10.3
LAT= 6.0	U=	.518	/ .8	V=	5.047	/ 11.2	W=	.030400	/ 8.2	T=	1.086	/ 7.4
LAT= 12.0	U=	1.046	/ 1.0	V=	4.429	/ 11.4	W=	.056731	/ 8.3	T=	2.049	/ 7.5
LAT= 18.0	U=	1.608	/ 1.2	V=	3.518	/ 11.7	W=	.076008	/ 8.5	T=	2.805	/ 7.7
LAT= 24.0	U=	2.236	/ 1.4	V=	2.510	/ .4	W=	.086535	/ 8.7	T=	3.321	/ 7.9
LAT= 30.0	U=	2.909	/ 1.7	V=	1.787	/ 1.6	W=	.088351	/ 9.0	T=	3.583	/ 8.2
LAT= 36.0	U=	3.605	/ 1.9	V=	1.903	/ 3.2	W=	.082803	/ 9.3	T=	3.620	/ 8.4
LAT= 42.0	U=	4.197	/ 2.1	V=	2.600	/ 4.2	W=	.071901	/ 9.7	T=	3.459	/ 8.6
LAT= 48.0	U=	4.523	/ 2.3	V=	3.306	/ 4.8	W=	.058228	/ 10.1	T=	3.106	/ 8.9
LAT= 54.0	U=	4.564	/ 2.5	V=	3.806	/ 5.2	W=	.044958	/ 10.6	T=	2.601	/ 9.1
LAT= 60.0	U=	4.450	/ 2.6	V=	4.006	/ 5.5	W=	.033481	/ 10.9	T=	2.027	/ 9.2
LAT= 66.0	U=	4.087	/ 2.8	V=	3.835	/ 5.7	W=	.022886	/ 11.3	T=	1.440	/ 9.4
LAT= 72.0	U=	3.463	/ 2.8	V=	3.244	/ 5.9	W=	.012870	/ 11.3	T=	.884	/ 9.4
LAT= 78.0	U=	2.349	/ 2.9	V=	2.283	/ 6.1	W=	.002777	/ 11.5	T=	.366	/ 9.4
LAT= 84.0	U=	1.163	/ 3.1	V=	1.219	/ 6.6	W=	.002450	/ 2.0	T=	.096	/ 9.8

Z= 368.753 KM

LAT= 0.0	U=	.002	/ 4.8	V=	5.367	/ 11.1	W=	.000039	/ 9.8	T=	.001	/ 10.3
LAT= 6.0		.541	/ .7	V=	5.149	/ 11.2	W=	.031572	/ 7.8	T=	1.109	/ 7.4
LAT= 12.0		1.090	/ .9	V=	4.529	/ 11.3	W=	.058962	/ 7.9	T=	2.094	/ 7.5
LAT= 18.0	U=	1.673	/ 1.1	V=	3.610	/ 11.7	W=	.079015	/ 8.1	T=	2.868	/ 7.7
LAT= 24.0	U=	2.322	/ 1.4	V=	2.585	/ .3	W=	.089704	/ 8.4	T=	3.395	/ 7.9
LAT= 30.0	U=	3.015	/ 1.6	V=	1.842	/ 1.6	W=	.090171	/ 8.6	T=	3.664	/ 8.2
LAT= 36.0	U=	3.730	/ 1.9	V=	1.948	/ 3.1	W=	.083972	/ 9.0	T=	3.704	/ 8.4
LAT= 42.0	U=	4.339	/ 2.1	V=	2.659	/ 4.2	W=	.071363	/ 9.3	T=	3.540	/ 8.6
LAT= 48.0	U=	4.670	/ 2.2	V=	3.386	/ 4.7	W=	.055919	/ 9.7	T=	3.180	/ 8.9
LAT= 54.0	U=	4.710	/ 2.4	V=	3.905	/ 5.1	W=	.041338	/ 10.1	T=	2.664	/ 9.1
LAT= 60.0	U=	4.587	/ 2.6	V=	4.114	/ 5.4	W=	.029716	/ 10.5	T=	2.077	/ 9.2
LAT= 66.0	U=	4.213	/ 2.8	V=	3.943	/ 5.7	W=	.019738	/ 10.9	T=	1.475	/ 9.4
LAT= 72.0	U=	3.567	/ 2.8	V=	3.337	/ 5.8	W=	.010820	/ 10.8	T=	.905	/ 9.4
LAT= 78.0	U=	2.416	/ 2.8	V=	2.347	/ 6.1	W=	.001674	/ 10.4	T=	.375	/ 9.4
LAT= 84.0	U=	1.197	/ 3.1	V=	1.250	/ 6.6	W=	.002433	/ 2.2	T=	.099	/ 9.8

Z= 400.753 KM

LAT= 0.0	U=	.002	/ 4.8	V=	5.468	/ 11.1	W=	.000042	/ 9.6	T=	.001	/ 10.3
LAT= 6.0	U=	.558	/ .7	V=	5.248	/ 11.1	W=	.033038	/ 7.5	T=	1.133	/ 7.4
LAT= 12.0	U=	1.123	/ .9	V=	4.622	/ 11.3	W=	.061759	/ 7.6	T=	2.138	/ 7.5
LAT= 18.0	U=	1.723	/ 1.1	V=	3.690	/ 11.7	W=	.082834	/ 7.8	T=	2.929	/ 7.7
LAT= 24.0	U=	2.388	/ 1.3	V=	2.648	/ .3	W=	.093925	/ 8.0	T=	3.468	/ 7.9
LAT= 30.0	U=	3.098	/ 1.6	V=	1.887	/ 1.5	W=	.094664	/ 8.3	T=	3.743	/ 8.2
LAT= 36.0	U=	3.830	/ 1.8	V=	1.989	/ 3.1	W=	.086602	/ 8.6	T=	3.784	/ 8.4
LAT= 42.0	U=	4.451	/ 2.0	V=	2.714	/ 4.1	W=	.072424	/ 8.9	T=	3.617	/ 8.6
LAT= 48.0	U=	4.791	/ 2.2	V=	3.459	/ 4.7	W=	.055159	/ 9.2	T=	3.250	/ 8.9
LAT= 54.0	U=	4.830	/ 2.4	V=	3.991	/ 5.1	W=	.038864	/ 9.6	T=	2.723	/ 9.1
LAT= 60.0	U=	4.702	/ 2.6	V=	4.208	/ 5.4	W=	.026583	/ 9.9	T=	2.123	/ 9.2
LAT= 66.0	U=	4.316	/ 2.8	V=	4.036	/ 5.7	W=	.015872	/ 10.3	T=	1.508	/ 9.4
LAT= 72.0	U=	3.652	/ 2.8	V=	3.416	/ 5.8	W=	.009188	/ 10.1	T=	.926	/ 9.4
LAT= 78.0	U=	2.474	/ 2.8	V=	2.402	/ 6.0	W=	.001838	/ 8.3	T=	.384	/ 9.4
LAT= 84.0	U=	1.226	/ 3.1	V=	1.278	/ 6.6	W=	.002328	/ 2.5	T=	.102	/ 9.8

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 100.017 KM

LAT= 0.0	U=	0.000 / .3	V=	2.327 / 9.9	W=	.000001 / 7.5	T=	0.000 / 4.8
LAT= 6.0	U=	.231 / 1.[illegible]	V=	2.054 / 9.9	W=	.003721 / 7.7	T=	.395 / 5.6
LAT= 12.0	U=	.537 / 1.0	V=	1.314 / 10.1	W=	.006692 / 7.8	T=	.720 / 5.7
LAT= 18.0	U=	.946 / 1.0	V=	.340 / 11.1	W=	.008449 / 8.0	T=	.927 / 5.8
LAT= 24.0	U=	1.425 / 1.0	V=	.836 / 3.5	W=	.008940 / 8.2	T=	1.000 / 6.0
LAT= 30.0	U=	1.894 / 1.1	V=	1.741 / 3.9	W=	.008432 / 8.5	T=	.955 / 6.2
LAT= 36.0	U=	2.267 / 1.2	V=	2.376 / 4.1	W=	.007301 / 8.9	T=	.826 / 6.4
LAT= 42.0	U=	2.479 / 1.2	V=	2.695 / 4.2	W=	.005867 / 9.2	T=	.649 / 6.6
LAT= 48.0	U=	2.508 / 1.4	V=	2.723 / 4.4	W=	.004363 / 9.6	T=	.464 / 6.9
LAT= 54.0	U=	2.365 / 1.5	V=	2.526 / 4.5	W=	.002977 / 10.0	T=	.301 / 7.1
LAT= 60.0	U=	2.078 / 1.5	V=	2.180 / 4.5	W=	.001827 / 10.5	T=	.171 / 7.4
LAT= 66.0	U=	1.711 / 1.6	V=	1.753 / 4.6	W=	.001061 / 11.0	T=	.092 / 8.0
LAT= 72.0	U=	1.292 / 1.6	V=	1.295 / 4.6	W=	.000602 / 11.4	T=	.047 / 8.3
LAT= 78.0	U=	.837 / 1.6	V=	.844 / 4.6	W=	.000342 / 11.9	T=	.022 / 8.8
LAT= 84.0	U=	.419 / 1.6	V=	.414 / 4.7	W=	.000066 / 10.6	T=	.004 / 7.3

Z= 103.521 KM

LAT= 0.0	U=	0.000 / .2	V=	2.736 / 9.6	W=	.000002 / 7.3	T=	0.000 / 4.5
LAT= 6.0	U=	.300 / .7	V=	2.473 / 9.6	W=	.004174 / 7.0	T=	.473 / 5.0
LAT= 12.0	U=	.666 / .7	V=	1.735 / 9.8	W=	.007621 / 7.1	T=	.876 / 5.1
LAT= 18.0	U=	1.138 / .7	V=	.692 / 10.5	W=	.009840 / 7.2	T=	1.157 / 5.2
LAT= 24.0	U=	1.720 / .7	V=	.757 / 2.8	W=	.010675 / 7.5	T=	1.288 / 5.4
LAT= 30.0	U=	2.365 / .8	V=	1.966 / 3.5	W=	.010277 / 7.7	T=	1.270 / 5.5
LAT= 36.0	U=	2.988 / .9	V=	3.026 / 3.8	W=	.008977 / 8.0	T=	1.131 / 5.8
LAT= 42.0	U=	3.488 / 1.0	V=	3.767 / 3.9	W=	.007168 / 8.4	T=	.912 / 6.0
LAT= 48.0	U=	3.767 / 1.1	V=	4.110 / 4.1	W=	.005225 / 8.8	T=	.666 / 6.2
LAT= 54.0	U=	3.769 / 1.2	V=	4.056 / 4.2	W=	.003467 / 9.2	T=	.437 / 6.5
LAT= 60.0	U=	3.483 / 1.3	V=	3.669 / 4.3	W=	.002073 / 9.7	T=	.254 / 6.9
LAT= 66.0	U=	2.973 / 1.4	V=	3.052 / 4.4	W=	.001186 / 10.4	T=	.137 / 7.5
LAT= 72.0	U=	2.308 / 1.4	V=	2.307 / 4.4	W=	.000690 / 11.0	T=	.073 / 7.9
LAT= 78.0	U=	1.532 / 1.5	V=	1.521 / 4.5	W=	.000446 / 11.3	T=	.041 / 8.3
LAT= 84.0	U=	.760 / 1.5	V=	.742 / 4.5	W=	.000095 / 10.1	T=	.009 / 7.0

Z= 107.177 KM

LAT= 0.0	U=	0.000 / 11.9	V=	3.877 / 9.2	W=	.000003 / 6.8	T=	0.000 / 4.1
LAT= 6.0	U=	.435 / .3	V=	3.519 / 9.2	W=	.005244 / 6.1	T=	.672 / 4.2
LAT= 12.0	U=	.956 / .3	V=	2.499 / 9.3	W=	.009656 / 6.2	T=	1.251 / 4.2
LAT= 18.0	U=	1.624 / .3	V=	1.008 / 9.9	W=	.012600 / 6.3	T=	1.658 / 4.3
LAT= 24.0	U=	2.441 / .3	V=	.966 / 2.4	W=	.013775 / 6.5	T=	1.847 / 4.4
LAT= 30.0	U=	3.345 / .3	V=	2.722 / 3.0	W=	.013247 / 6.6	T=	1.817 / 4.5
LAT= 36.0	U=	4.219 / .3	V=	4.252 / 3.2	W=	.011398 / 6.9	T=	1.602 / 4.7
LAT= 42.0	U=	4.912 / .4	V=	5.312 / 3.3	W=	.008808 / 7.1	T=	1.272 / 4.9
LAT= 48.0	U=	5.289 / .4	V=	5.794 / 3.4	W=	.006093 / 7.5	T=	.907 / 5.2
LAT= 54.0	U=	5.277 / .5	V=	5.708 / 3.5	W=	.003760 / 7.9	T=	.581 / 5.5
LAT= 60.0	U=	4.870 / .6	V=	5.154 / 3.6	W=	.002058 / 8.5	T=	.330 / 5.9
LAT= 66.0	U=	4.137 / .6	V=	4.281 / 3.6	W=	.001090 / 9.4	T=	.174 / 6.7
LAT= 72.0	U=	3.218 / .7	V=	3.233 / 3.7	W=	.000647 / 10.2	T=	.098 / 7.3
LAT= 78.0	U=	2.161 / .7	V=	2.123 / 3.7	W=	.000451 / 10.3	T=	.061 / 7.3
LAT= 84.0	U=	1.064 / .7	V=	1.017 / 3.8	W=	.000108 / 9.2	T=	.014 / 6.2

Z= 111.013 KM

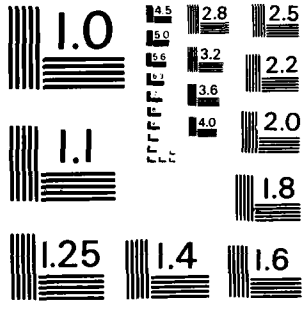
LAT= 0.0	U=	.003 / 11.0	V=	4.965 / 8.4	W=	.000004 / 5.8	T=	0.000 / 3.1
LAT= 6.0	U=	.578 / 11.5	V=	4.522 / 8.4	W=	.007024 / 5.1	T=	1.028 / 2.8
LAT= 12.0	U=	1.246 / 11.5	V=	3.267 / 8.6	W=	.012913 / 5.1	T=	1.898 / 2.9
LAT= 18.0	U=	2.059 / 11.4	V=	1.464 / 9.1	W=	.016795 / 5.2	T=	2.485 / 2.9
LAT= 24.0	U=	3.019 / 11.4	V=	1.146 / 1.1	W=	.018260 / 5.3	T=	2.725 / 3.0
LAT= 30.0	U=	4.057 / 11.4	V=	3.195 / 1.9	W=	.017410 / 5.4	T=	2.629 / 3.2
LAT= 36.0	U=	5.042 / 11.4	V=	5.022 / 2.1	W=	.014793 / 5.6	T=	2.267 / 3.3
LAT= 42.0	U=	5.815 / 11.4	V=	6.281 / 2.3	W=	.011229 / 5.8	T=	1.756 / 3.6
LAT= 48.0	U=	6.229 / 11.5	V=	6.850 / 2.4	W=	.007565 / 6.0	T=	1.220 / 3.8
LAT= 54.0	U=	6.198 / 11.5	V=	6.747 / 2.5	W=	.004481 / 6.4	T=	.760 / 4.2
LAT= 60.0	U=	5.731 / 11.6	V=	6.096 / 2.6	W=	.002281 / 6.9	T=	.426 / 4.7
LAT= 66.0	U=	4.856 / 11.7	V=	5.074 / 2.7	W=	.001077 / 7.8	T=	.225 / 5.6
LAT= 72.0	U=	3.807 / 11.7	V=	3.841 / 2.7	W=	.000609 / 8.8	T=	.137 / 6.2
LAT= 78.0	U=	2.599 / 11.8	V=	2.515 / 2.8	W=	.000441 / 8.6	T=	.084 / 5.9
LAT= 84.0	U=	1.265 / 11.8	V=	1.174 / 2.9	W=	.000111 / 7.5	T=	.022 / 4.8

AD-A125 725 A COMPENDIUM OF THEORETICAL ATMOSPHERIC TIDAL STRUCTURES PART II THERMOSP..(U) BOSTON COLL CHESTNUT HILL MA DEPT OF PHYSICS J M FORBES ET AL. 24 JUN 82 AFGL-TR-82-0173(2) F19628-79-C-0068 F/G 4/1 NL

UNCLASSIFIED

2/2

END
DATE FILMED
4 83
DTIC



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 115.091 KM

LAT= 0.0	U=	.004	9.9	V=	5.459	7.5	W=	.000005	4.7	T=	0.000	1.9
LAT= 6.0	U=	.654	10.6	V=	5.007	7.6	W=	.009102	4.1	T=	1.480	1.4
LAT= 12.0	U=	1.370	10.5	V=	3.740	7.8	W=	.016724	4.1	T=	2.715	1.5
LAT= 18.0	U=	2.191	10.5	V=	1.968	8.4	W=	.021744	4.2	T=	3.519	1.6
LAT= 24.0	U=	3.117	10.4	V=	1.290	11.3	W=	.023646	4.2	T=	3.813	1.7
LAT= 30.0	U=	4.094	10.4	V=	3.095	.6	W=	.022594	4.3	T=	3.630	1.8
LAT= 36.0	U=	5.017	10.4	V=	4.903	1.0	W=	.019304	4.4	T=	3.093	1.9
LAT= 42.0	U=	5.745	10.4	V=	6.175	1.2	W=	.014809	4.6	T=	2.373	2.1
LAT= 48.0	U=	6.144	10.5	V=	6.771	1.3	W=	.010168	4.8	T=	1.639	2.4
LAT= 54.0	U=	6.125	10.5	V=	6.705	1.5	W=	.006200	5.0	T=	1.021	2.8
LAT= 60.0	U=	5.695	10.6	V=	6.090	1.6	W=	.003286	5.3	T=	.573	3.2
LAT= 66.0	U=	4.838	10.7	V=	5.100	1.7	W=	.001538	6.0	T=	.304	4.0
LAT= 72.0	U=	3.851	10.8	V=	3.881	1.8	W=	.000793	6.7	T=	.185	4.5
LAT= 78.0	U=	2.668	10.9	V=	2.541	1.9	W=	.000533	6.6	T=	.109	4.0
LAT= 84.0	U=	1.282	10.9	V=	1.158	2.0	W=	.000162	5.4	T=	.031	2.8

Z= 119.451 KM

LAT= 0.0	U=	.004	8.8	V=	5.469	6.7	W=	.000005	3.4	T=	0.000	.7
LAT= 6.0	U=	.655	9.7	V=	5.053	6.7	W=	.011182	3.2	T=	1.847	.3
LAT= 12.0	U=	1.341	9.6	V=	3.895	6.9	W=	.020598	3.2	T=	3.388	.4
LAT= 18.0	U=	2.085	9.5	V=	2.321	7.6	W=	.026904	3.3	T=	4.391	.4
LAT= 24.0	U=	2.890	9.5	V=	1.511	9.7	W=	.029478	3.3	T=	4.765	.5
LAT= 30.0	U=	3.724	9.4	V=	2.798	11.3	W=	.028497	3.4	T=	4.554	.6
LAT= 36.0	U=	4.509	9.4	V=	4.368	11.9	W=	.024782	3.5	T=	3.916	.8
LAT= 42.0	U=	5.132	9.4	V=	5.510	.1	W=	.019522	3.7	T=	3.052	1.0
LAT= 48.0	U=	5.481	9.5	V=	6.061	.3	W=	.013944	3.8	T=	2.166	1.2
LAT= 54.0	U=	5.476	9.6	V=	6.024	.5	W=	.009021	4.0	T=	1.403	1.5
LAT= 60.0	U=	5.120	9.7	V=	5.497	.7	W=	.005234	4.3	T=	.830	1.8
LAT= 66.0	U=	4.364	9.8	V=	4.624	.8	W=	.002727	4.8	T=	.461	2.5
LAT= 72.0	U=	3.528	9.9	V=	3.535	.9	W=	.001525	5.2	T=	.278	2.8
LAT= 78.0	U=	2.472	10.0	V=	2.313	1.0	W=	.000873	5.0	T=	.149	2.3
LAT= 84.0	U=	1.172	10.0	V=	1.033	1.3	W=	.000278	4.0	T=	.045	1.1

Z= 124.175 KM

LAT= 0.0	U=	.004	8.0	V=	5.218	5.8	W=	.000007	2.3	T=	0.000	11.9
LAT= 6.0	U=	.621	8.8	V=	4.844	5.9	W=	.013122	2.5	T=	2.010	11.5
LAT= 12.0	U=	1.251	8.8	V=	3.814	6.1	W=	.024271	2.5	T=	3.698	11.5
LAT= 18.0	U=	1.904	8.7	V=	2.449	6.8	W=	.031927	2.6	T=	4.825	11.6
LAT= 24.0	U=	2.593	8.6	V=	1.696	8.6	W=	.035344	2.6	T=	5.286	11.7
LAT= 30.0	U=	3.301	8.5	V=	2.599	10.2	W=	.034662	2.7	T=	5.124	11.8
LAT= 36.0	U=	3.969	8.5	V=	3.901	10.8	W=	.030743	2.8	T=	4.492	11.9
LAT= 42.0	U=	4.503	8.5	V=	4.876	11.1	W=	.024876	3.0	T=	3.597	.1
LAT= 48.0	U=	4.807	8.6	V=	5.349	11.4	W=	.018439	3.1	T=	2.648	.3
LAT= 54.0	U=	4.809	8.7	V=	5.313	11.6	W=	.012556	3.4	T=	1.805	.6
LAT= 60.0	U=	4.513	8.8	V=	4.849	11.8	W=	.007832	3.6	T=	1.139	.9
LAT= 66.0	U=	3.857	9.0	V=	4.082	11.9	W=	.004475	4.1	T=	.675	1.5
LAT= 72.0	U=	3.153	9.1	V=	3.123	.1	W=	.002705	4.3	T=	.414	1.6
LAT= 78.0	U=	2.217	9.1	V=	2.038	.2	W=	.001388	3.9	T=	.197	1.0
LAT= 84.0	U=	1.038	9.2	V=	.895	.6	W=	.000411	2.9	T=	.054	11.7

Z= 129.367 KM

LAT= 0.0	U=	.003	7.3	V=	4.881	5.0	W=	.000008	1.4	T=	0.000	11.3
LAT= 6.0	U=	.577	8.1	V=	4.540	5.1	W=	.014757	1.8	T=	1.990	10.8
LAT= 12.0	U=	1.153	8.0	V=	3.611	5.4	W=	.027425	1.9	T=	3.684	10.9
LAT= 18.0	U=	1.739	7.8	V=	2.407	6.0	W=	.036358	1.9	T=	4.854	10.9
LAT= 24.0	U=	2.354	7.7	V=	1.766	7.7	W=	.040690	2.0	T=	5.390	11.0
LAT= 30.0	U=	2.993	7.6	V=	2.491	9.2	W=	.040468	2.1	T=	5.318	11.2
LAT= 36.0	U=	3.599	7.5	V=	3.602	9.9	W=	.036538	2.2	T=	4.769	11.3
LAT= 42.0	U=	4.082	7.6	V=	4.446	10.2	W=	.030236	2.4	T=	3.928	11.5
LAT= 48.0	U=	4.357	7.6	V=	4.849	10.5	W=	.023064	2.6	T=	2.996	11.7
LAT= 54.0	U=	4.363	7.8	V=	4.804	10.7	W=	.016301	2.8	T=	2.132	12.0
LAT= 60.0	U=	4.100	7.9	V=	4.379	10.9	W=	.010683	3.1	T=	1.418	.3
LAT= 66.0	U=	3.512	8.1	V=	3.684	11.1	W=	.006493	3.6	T=	.886	.7
LAT= 72.0	U=	2.882	8.2	V=	2.819	11.3	W=	.004076	3.7	T=	.546	.7
LAT= 78.0	U=	2.021	8.3	V=	1.839	11.4	W=	.001936	3.1	T=	.234	.2
LAT= 84.0	U=	.938	8.4	V=	.808	11.9	W=	.000524	1.9	T=	.054	10.7

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 135.169 KM

LAT= 0.0	U=	.003 / 6.9	V=	4.562 / 4.3	W=	.000010 / .7	T=	0.000 / 10.8
LAT= 6.0	U=	.535 / 7.4	V=	4.246 / 4.3	W=	.015984 / 1.2	T=	1.874 / 10.2
LAT= 12.0	U=	1.070 / 7.2	V=	3.387 / 4.6	W=	.029837 / 1.2	T=	3.491 / 10.3
LAT= 18.0	U=	1.621 / 7.0	V=	2.290 / 5.3	W=	.039839 / 1.3	T=	4.650 / 10.3
LAT= 24.0	U=	2.215 / 6.9	V=	1.729 / 6.9	W=	.045014 / 1.4	T=	5.242 / 10.5
LAT= 30.0	U=	2.840 / 6.7	V=	2.389 / 8.3	W=	.045309 / 1.5	T=	5.269 / 10.6
LAT= 36.0	U=	3.432 / 6.7	V=	3.400 / 9.0	W=	.041509 / 1.7	T=	4.833 / 10.8
LAT= 42.0	U=	3.897 / 6.7	V=	4.172 / 9.4	W=	.034947 / 1.9	T=	4.087 / 10.9
LAT= 48.0	U=	4.158 / 6.8	V=	4.546 / 9.7	W=	.027212 / 2.1	T=	3.211 / 11.2
LAT= 54.0	U=	4.162 / 6.9	V=	4.512 / 9.9	W=	.019732 / 2.4	T=	2.366 / 11.5
LAT= 60.0	U=	3.918 / 7.1	V=	4.129 / 10.1	W=	.013358 / 2.7	T=	1.635 / 11.7
LAT= 66.0	U=	3.368 / 7.3	V=	3.487 / 10.3	W=	.008448 / 3.1	T=	1.056 / .1
LAT= 72.0	U=	2.771 / 7.4	V=	2.681 / 10.5	W=	.005366 / 3.2	T=	.650 / .1
LAT= 78.0	U=	1.926 / 7.4	V=	1.758 / 10.7	W=	.002386 / 2.5	T=	.259 / 11.5
LAT= 84.0	U=	.893 / 7.6	V=	.797 / 11.2	W=	.000610 / .8	T=	.049 / 9.7

Z= 141.772 KM

LAT= 0.0	U=	0.000 / 6.6	V=	4.292 / 3.5	W=	.000011 / .3	T=	0.000 / 10.4
LAT= 6.0	U=	.497 / 6.6	V=	3.998 / 3.6	W=	.016886 / .6	T=	1.724 / 9.6
LAT= 12.0	U=	1.008 / 6.5	V=	3.196 / 3.8	W=	.031614 / .6	T=	3.234 / 9.7
LAT= 18.0	U=	1.556 / 6.3	V=	2.167 / 4.5	W=	.042422 / .7	T=	4.354 / 9.8
LAT= 24.0	U=	2.157 / 6.1	V=	1.627 / 6.1	W=	.048259 / .8	T=	4.977 / 9.9
LAT= 30.0	U=	2.793 / 6.0	V=	2.242 / 7.6	W=	.048995 / 1.0	T=	5.092 / 10.0
LAT= 36.0	U=	3.389 / 6.0	V=	3.208 / 8.2	W=	.045358 / 1.2	T=	4.765 / 10.2
LAT= 42.0	U=	3.845 / 6.0	V=	3.964 / 8.6	W=	.038670 / 1.4	T=	4.121 / 10.4
LAT= 48.0	U=	4.037 / 6.1	V=	4.354 / 8.9	W=	.030559 / 1.7	T=	3.316 / 10.7
LAT= 54.0	U=	4.105 / 6.2	V=	4.362 / 9.1	W=	.022556 / 2.0	T=	2.505 / 10.9
LAT= 60.0	U=	3.878 / 6.3	V=	4.029 / 9.3	W=	.015603 / 2.3	T=	1.779 / 11.2
LAT= 66.0	U=	3.351 / 6.5	V=	3.439 / 9.5	W=	.010121 / 2.7	T=	1.174 / 11.6
LAT= 72.0	U=	2.771 / 6.6	V=	2.674 / 9.7	W=	.006414 / 2.7	T=	.721 / 11.5
LAT= 78.0	U=	1.913 / 6.7	V=	1.778 / 9.9	W=	.002690 / 1.9	T=	.273 / 10.9
LAT= 84.0	U=	.894 / 6.9	V=	.851 / 10.5	W=	.000666 / 11.9	T=	.042 / 8.9

Z= 149.425 KM

LAT= 0.0	U=	0.000 / 6.2	V=	4.051 / 2.7	W=	.000013 / .0	T=	0.000 / 10.1
LAT= 6.0	U=	.465 / 5.9	V=	3.789 / 2.8	W=	.017653 / .0	T=	1.577 / 9.0
LAT= 12.0	U=	.961 / 5.8	V=	3.044 / 3.1	W=	.033093 / .0	T=	2.974 / 9.1
LAT= 18.0	U=	1.509 / 5.6	V=	2.068 / 3.7	W=	.044513 / .1	T=	4.036 / 9.2
LAT= 24.0	U=	2.115 / 5.5	V=	1.496 / 5.2	W=	.050826 / .3	T=	4.666 / 9.3
LAT= 30.0	U=	2.746 / 5.4	V=	2.035 / 6.8	W=	.051869 / .5	T=	4.838 / 9.5
LAT= 36.0	U=	3.326 / 5.4	V=	2.968 / 7.5	W=	.048368 / .7	T=	4.601 / 9.7
LAT= 42.0	U=	3.760 / 5.4	V=	3.728 / 7.9	W=	.041631 / .9	T=	4.050 / 9.9
LAT= 48.0	U=	3.998 / 5.5	V=	4.151 / 8.2	W=	.033284 / 1.2	T=	3.319 / 10.1
LAT= 54.0	U=	4.014 / 5.6	V=	4.212 / 8.4	W=	.024911 / 1.5	T=	2.554 / 10.4
LAT= 60.0	U=	3.817 / 5.7	V=	3.940 / 8.6	W=	.017511 / 1.8	T=	1.846 / 10.6
LAT= 66.0	U=	3.321 / 5.8	V=	3.403 / 8.8	W=	.011549 / 2.2	T=	1.237 / 11.0
LAT= 72.0	U=	2.768 / 5.9	V=	2.681 / 9.0	W=	.007246 / 2.1	T=	.756 / 10.9
LAT= 78.0	U=	1.905 / 6.0	V=	1.813 / 9.3	W=	.002879 / 1.4	T=	.281 / 10.4
LAT= 84.0	U=	.904 / 6.3	V=	.922 / 10.0	W=	.000633 / 11.3	T=	.036 / 8.4

Z= 158.420 KM

LAT= 0.0	U=	0.000 / 5.8	V=	3.855 / 2.0	W=	.000015 / 11.7	T=	0.000 / 9.7
LAT= 6.0	U=	.438 / 5.1	V=	3.606 / 2.1	W=	.018412 / 11.4	T=	1.447 / 8.3
LAT= 12.0	U=	.910 / 5.1	V=	2.917 / 2.3	W=	.034542 / 11.4	T=	2.734 / 8.4
LAT= 18.0	U=	1.434 / 5.0	V=	1.989 / 2.9	W=	.046533 / 11.6	T=	3.730 / 8.5
LAT= 24.0	U=	2.005 / 4.9	V=	1.352 / 4.4	W=	.053267 / 11.7	T=	4.341 / 8.7
LAT= 30.0	U=	2.590 / 4.8	V=	1.769 / 6.1	W=	.054555 / 11.9	T=	4.541 / 8.9
LAT= 36.0	U=	3.122 / 4.8	V=	2.653 / 6.8	W=	.051230 / .1	T=	4.369 / 9.1
LAT= 42.0	U=	3.522 / 4.9	V=	3.404 / 7.3	W=	.044505 / .3	T=	3.899 / 9.2
LAT= 48.0	U=	3.748 / 4.9	V=	3.856 / 7.5	W=	.036012 / .6	T=	3.240 / 9.5
LAT= 54.0	U=	3.786 / 5.0	V=	3.958 / 7.8	W=	.027332 / .9	T=	2.525 / 9.6
LAT= 60.0	U=	3.638 / 5.1	V=	3.758 / 8.0	W=	.019500 / 1.2	T=	1.851 / 10.0
LAT= 66.0	U=	3.200 / 5.2	V=	3.282 / 8.2	W=	.013028 / 1.6	T=	1.253 / 10.3
LAT= 72.0	U=	2.663 / 5.3	V=	2.613 / 8.4	W=	.008047 / 1.5	T=	.759 / 10.3
LAT= 78.0	U=	1.846 / 5.3	V=	1.793 / 8.7	W=	.002995 / .9	T=	.281 / 9.8
LAT= 84.0	U=	.892 / 5.7	V=	.961 / 9.4	W=	.000462 / 10.8	T=	.029 / 8.5

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 181.310 KM

LAT= 0.0	U=	0.000 /	5.0	V=	3.529 /	.6	W=	.000021 /	11.1	T=	0.000 /	9.3
LAT= 6.0	U=	.382 /	3.7	V=	3.322 /	.6	W=	.020111 /	10.2	T=	1.228 /	7.2
LAT= 12.0	U=	.790 /	3.6	V=	2.741 /	.8	W=	.037812 /	10.3	T=	2.322 /	7.3
LAT= 18.0	U=	1.233 /	3.6	V=	1.915 /	1.2	W=	.051150 /	10.4	T=	3.179 /	7.4
LAT= 24.0	U=	1.699 /	3.6	V=	1.143 /	2.4	W=	.058966 /	10.5	T=	3.723 /	7.6
LAT= 30.0	U=	2.167 /	3.6	V=	1.169 /	4.4	W=	.061072 /	10.7	T=	3.935 /	7.8
LAT= 36.0	U=	2.597 /	3.6	V=	1.885 /	5.5	W=	.058236 /	11.0	T=	3.847 /	8.0
LAT= 42.0	U=	2.927 /	3.6	V=	2.585 /	6.0	W=	.051731 /	11.2	T=	3.509 /	8.2
LAT= 48.0	U=	3.127 /	3.7	V=	3.065 /	6.3	W=	.043058 /	11.5	T=	2.986 /	8.5
LAT= 54.0	U=	3.200 /	3.8	V=	3.271 /	6.6	W=	.033739 /	11.8	T=	2.379 /	8.7
LAT= 60.0	U=	3.142 /	3.9	V=	3.192 /	6.8	W=	.024866 /	.0	T=	1.781 /	8.9
LAT= 66.0	U=	2.829 /	4.0	V=	2.853 /	7.0	W=	.017089 /	.3	T=	1.230 /	9.1
LAT= 72.0	U=	2.380 /	4.0	V=	2.307 /	7.2	W=	.010265 /	.2	T=	.733 /	9.0
LAT= 78.0	U=	1.621 /	4.1	V=	1.608 /	7.5	W=	.003362 /	11.8	T=	.269 /	8.8
LAT= 84.0	U=	.800 /	4.5	V=	.916 /	8.2	W=	.000082 /	6.8	T=	.038 /	9.3

Z= 209.865 KM

LAT= 0.0	U=	0.000 /	4.4	V=	3.361 /	11.4	W=	.000025 /	10.4	T=	0.000 /	9.2
LAT= 6.0	U=	.312 /	2.3	V=	3.188 /	11.4	W=	.022180 /	9.1	T=	1.075 /	6.3
LAT= 12.0	U=	.645 /	2.3	V=	2.703 /	11.6	W=	.041561 /	9.2	T=	2.033 /	6.5
LAT= 18.0	U=	1.014 /	2.3	V=	1.988 /	11.9	W=	.056045 /	9.4	T=	2.783 /	6.6
LAT= 24.0	U=	1.404 /	2.3	V=	1.210 /	.6	W=	.064629 /	9.5	T=	3.275 /	6.8
LAT= 30.0	U=	1.794 /	2.4	V=	.825 /	2.5	W=	.067338 /	9.7	T=	3.490 /	7.1
LAT= 36.0	U=	2.166 /	2.4	V=	1.265 /	4.1	W=	.065040 /	10.0	T=	3.461 /	7.3
LAT= 42.0	U=	2.459 /	2.5	V=	1.880 /	4.8	W=	.058905 /	10.2	T=	3.221 /	7.5
LAT= 48.0	U=	2.629 /	2.6	V=	2.359 /	5.2	W=	.050286 /	10.5	T=	2.802 /	7.7
LAT= 54.0	U=	2.700 /	2.7	V=	2.627 /	5.5	W=	.040573 /	10.8	T=	2.279 /	7.9
LAT= 60.0	U=	2.691 /	2.8	V=	2.655 /	5.7	W=	.030824 /	11.0	T=	1.740 /	8.0
LAT= 66.0	U=	2.476 /	2.9	V=	2.436 /	5.9	W=	.021833 /	11.3	T=	1.228 /	8.2
LAT= 72.0	U=	2.089 /	2.9	V=	2.000 /	6.1	W=	.013185 /	11.1	T=	.729 /	8.1
LAT= 78.0	U=	1.410 /	3.0	V=	1.400 /	6.3	W=	.004415 /	10.9	T=	.270 /	8.0
LAT= 84.0	U=	.693 /	3.4	V=	.796 /	7.1	W=	.000144 /	1.1	T=	.047 /	8.7

Z= 240.988 KM

LAT= 0.0	U=	0.000 /	4.0	V=	3.347 /	10.5	W=	.000029 /	9.7	T=	0.000 /	9.2
LAT= 6.0	U=	.248 /	1.1	V=	3.193 /	10.5	W=	.024289 /	8.4	T=	1.001 /	5.8
LAT= 12.0	U=	.520 /	1.1	V=	2.754 /	10.7	W=	.045099 /	8.5	T=	1.888 /	6.0
LAT= 18.0	U=	.830 /	1.2	V=	2.103 /	11.0	W=	.060159 /	8.6	T=	2.584 /	6.2
LAT= 24.0	U=	1.174 /	1.3	V=	1.370 /	11.5	W=	.068880 /	8.8	T=	3.049 /	6.4
LAT= 30.0	U=	1.532 /	1.4	V=	.822 /	.9	W=	.071815 /	9.0	T=	3.270 /	6.6
LAT= 36.0	U=	1.893 /	1.5	V=	.965 /	2.9	W=	.069980 /	9.2	T=	3.277 /	6.9
LAT= 42.0	U=	2.190 /	1.5	V=	1.476 /	3.8	W=	.064289 /	9.5	T=	3.096 /	7.0
LAT= 48.0	U=	2.351 /	1.6	V=	1.930 /	4.3	W=	.055885 /	9.8	T=	2.739 /	7.2
LAT= 54.0	U=	2.411 /	1.8	V=	2.228 /	4.6	W=	.046029 /	10.0	T=	2.259 /	7.4
LAT= 60.0	U=	2.420 /	1.9	V=	2.321 /	4.8	W=	.035648 /	10.2	T=	1.748 /	7.5
LAT= 66.0	U=	2.269 /	2.0	V=	2.184 /	5.0	W=	.025685 /	10.5	T=	1.252 /	7.7
LAT= 72.0	U=	1.928 /	2.0	V=	1.827 /	5.2	W=	.015607 /	10.4	T=	.747 /	7.5
LAT= 78.0	U=	1.304 /	2.1	V=	1.291 /	5.4	W=	.005493 /	10.3	T=	.288 /	7.4
LAT= 84.0	U=	.643 /	2.4	V=	.728 /	6.1	W=	.000814 /	11.7	T=	.060 /	8.0

Z= 272.801 KM

LAT= 0.0	U=	0.000 /	3.6	V=	3.434 /	9.9	W=	.000034 /	9.3	T=	0.000 /	9.2
LAT= 6.0	U=	.223 /	.1	V=	3.280 /	9.9	W=	.025967 /	7.9	T=	.972 /	5.6
LAT= 12.0	U=	.466 /	.2	V=	2.847 /	10.1	W=	.047929 /	7.9	T=	1.830 /	5.7
LAT= 18.0	U=	.749 /	.3	V=	2.215 /	10.4	W=	.063493 /	8.1	T=	2.503 /	5.9
LAT= 24.0	U=	1.075 /	.5	V=	1.501 /	10.9	W=	.072387 /	8.3	T=	2.960 /	6.2
LAT= 30.0	U=	1.431 /	.6	V=	.916 /	.0	W=	.075574 /	8.5	T=	3.185 /	6.4
LAT= 36.0	U=	1.810 /	.7	V=	.886 /	1.9	W=	.074111 /	8.7	T=	3.214 /	6.6
LAT= 42.0	U=	2.132 /	.9	V=	1.313 /	3.0	W=	.068633 /	9.0	T=	3.064 /	6.8
LAT= 48.0	U=	2.300 /	1.0	V=	1.752 /	3.6	W=	.060205 /	9.3	T=	2.737 /	7.0
LAT= 54.0	U=	2.347 /	1.2	V=	2.070 /	3.9	W=	.050101 /	9.6	T=	2.278 /	7.1
LAT= 60.0	U=	2.358 /	1.3	V=	2.205 /	4.2	W=	.039101 /	9.8	T=	1.775 /	7.2
LAT= 66.0	U=	2.232 /	1.4	V=	2.114 /	4.4	W=	.028240 /	10.0	T=	1.280 /	7.4
LAT= 72.0	U=	1.903 /	1.4	V=	1.791 /	4.5	W=	.017023 /	9.9	T=	.767 /	7.2
LAT= 78.0	U=	1.293 /	1.4	V=	1.279 /	4.8	W=	.006021 /	10.0	T=	.303 /	7.2
LAT= 84.0	U=	.644 /	1.8	V=	.724 /	5.4	W=	.001535 /	11.4	T=	.071 /	7.6

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 304.762 KM

LAT= 0.0	U=	0.000 /	3.3	V=	3.548 /	9.5	W=	.000038 /	9.0	T=	0.000 /	9.2
LAT= 6.0	U=	.228 /	11.4	V=	3.393 /	9.6	W=	.026981 /	7.5	T=	.965 /	5.4
LAT= 12.0	U=	.472 /	11.5	V=	2.958 /	9.7	W=	.049773 /	7.6	T=	1.817 /	5.6
LAT= 18.0	U=	.752 /	11.7	V=	2.325 /	10.0	W=	.065908 /	7.7	T=	2.484 /	5.8
LAT= 24.0	U=	1.082 /	11.9	V=	1.613 /	10.5	W=	.075166 /	7.9	T=	2.939 /	6.0
LAT= 30.0	U=	1.451 /	.1	V=	1.010 /	11.5	W=	.078629 /	8.1	T=	3.171 /	6.3
LAT= 36.0	U=	1.855 /	.3	V=	.899 /	1.3	W=	.077312 /	8.4	T=	3.210 /	6.5
LAT= 42.0	U=	2.204 /	.4	V=	1.280 /	2.5	W=	.071700 /	8.7	T=	3.077 /	6.7
LAT= 48.0	U=	2.381 /	.6	V=	1.720 /	3.2	W=	.062985 /	9.0	T=	2.764 /	6.8
LAT= 54.0	U=	2.420 /	.8	V=	2.058 /	3.5	W=	.052585 /	9.3	T=	2.310 /	7.0
LAT= 60.0	U=	2.423 /	.9	V=	2.221 /	3.8	W=	.041107 /	9.5	T=	1.806 /	7.1
LAT= 66.0	U=	2.298 /	1.0	V=	2.154 /	4.0	W=	.029553 /	9.7	T=	1.307 /	7.2
LAT= 72.0	U=	1.958 /	1.0	V=	1.836 /	4.1	W=	.017547 /	9.6	T=	.785 /	7.1
LAT= 78.0	U=	1.331 /	1.1	V=	1.316 /	4.3	W=	.006023 /	9.8	T=	.316 /	7.1
LAT= 84.0	U=	.667 /	1.4	V=	.747 /	5.0	W=	.002071 /	11.4	T=	.078 /	7.4

Z= 336.754 KM

LAT= 0.0	U=	0.000 /	3.1	V=	3.657 /	9.3	W=	.000042 /	8.8	T=	0.000 /	9.2
LAT= 6.0	U=	.244 /	11.0	V=	3.501 /	9.3	W=	.027321 /	7.2	T=	.971 /	5.3
LAT= 12.0	U=	.501 /	11.1	V=	3.064 /	9.5	W=	.050519 /	7.3	T=	1.827 /	5.5
LAT= 18.0	U=	.792 /	11.3	V=	2.428 /	9.8	W=	.067092 /	7.4	T=	2.498 /	5.7
LAT= 24.0	U=	1.136 /	11.6	V=	1.710 /	10.3	W=	.076672 /	7.6	T=	2.956 /	6.0
LAT= 30.0	U=	1.522 /	11.8	V=	1.092 /	11.3	W=	.080277 /	7.9	T=	3.195 /	6.2
LAT= 36.0	U=	1.951 /	.0	V=	.938 /	1.0	W=	.078852 /	8.1	T=	3.242 /	6.4
LAT= 42.0	U=	2.321 /	.2	V=	1.301 /	2.3	W=	.072864 /	8.4	T=	3.114 /	6.6
LAT= 48.0	U=	2.508 /	.3	V=	1.749 /	2.9	W=	.063755 /	8.7	T=	2.805 /	6.8
LAT= 54.0	U=	2.539 /	.5	V=	2.106 /	3.3	W=	.053157 /	9.0	T=	2.351 /	6.9
LAT= 60.0	U=	2.532 /	.7	V=	2.289 /	3.6	W=	.041502 /	9.2	T=	1.841 /	7.0
LAT= 66.0	U=	2.400 /	.8	V=	2.232 /	3.7	W=	.029637 /	9.5	T=	1.334 /	7.2
LAT= 72.0	U=	2.038 /	.8	V=	1.907 /	3.9	W=	.017308 /	9.4	T=	.803 /	7.0
LAT= 78.0	U=	1.383 /	.8	V=	1.367 /	4.1	W=	.005636 /	9.7	T=	.325 /	7.0
LAT= 84.0	U=	.696 /	1.1	V=	.777 /	4.7	W=	.002397 /	11.4	T=	.084 /	7.3

Z= 368.753 KM

LAT= 0.0	U=	0.000 /	3.0	V=	3.752 /	9.2	W=	.000046 /	8.6	T=	0.000 /	9.2
LAT= 6.0	U=	.261 /	10.7	V=	3.596 /	9.2	W=	.027054 /	7.0	T=	.984 /	5.3
LAT= 12.0	U=	.535 /	10.9	V=	3.159 /	9.4	W=	.050178 /	7.1	T=	1.852 /	5.5
LAT= 18.0	U=	.840 /	11.1	V=	2.519 /	9.7	W=	.066881 /	7.2	T=	2.532 /	5.7
LAT= 24.0	U=	1.198 /	11.4	V=	1.792 /	10.1	W=	.076572 /	7.4	T=	2.998 /	5.9
LAT= 30.0	U=	1.601 /	11.6	V=	1.156 /	11.1	W=	.080110 /	7.6	T=	3.241 /	6.2
LAT= 36.0	U=	2.049 /	11.9	V=	.978 /	.8	W=	.078378 /	7.9	T=	3.292 /	6.4
LAT= 42.0	U=	2.437 /	.0	V=	1.337 /	2.1	W=	.071893 /	8.2	T=	3.167 /	6.6
LAT= 48.0	U=	2.630 /	.2	V=	1.796 /	2.8	W=	.062389 /	8.5	T=	2.856 /	6.7
LAT= 54.0	U=	2.656 /	.4	V=	2.169 /	3.2	W=	.051752 /	8.8	T=	2.395 /	6.9
LAT= 60.0	U=	2.639 /	.5	V=	2.366 /	3.4	W=	.040273 /	9.1	T=	1.877 /	7.0
LAT= 66.0	U=	2.499 /	.7	V=	2.314 /	3.6	W=	.028545 /	9.3	T=	1.362 /	7.1
LAT= 72.0	U=	2.117 /	.6	V=	1.978 /	3.7	W=	.016414 /	9.2	T=	.819 /	7.0
LAT= 78.0	U=	1.434 /	.7	V=	1.416 /	4.0	W=	.004983 /	9.6	T=	.333 /	7.0
LAT= 84.0	U=	.723 /	1.0	V=	.803 /	4.6	W=	.002538 /	11.5	T=	.087 /	7.3

Z= 400.753 KM

LAT= 0.0	U=	0.000 /	2.9	V=	3.833 /	9.1	W=	.000050 /	8.5	T=	0.000 /	9.2
LAT= 6.0	U=	.276 /	10.6	V=	3.678 /	9.1	W=	.026251 /	6.8	T=	1.001 /	5.3
LAT= 12.0	U=	.562 /	10.8	V=	3.240 /	9.3	W=	.048837 /	6.9	T=	1.885 /	5.5
LAT= 18.0	U=	.880 /	11.0	V=	2.594 /	9.6	W=	.065326 /	7.0	T=	2.576 /	5.7
LAT= 24.0	U=	1.251 /	11.3	V=	1.855 /	10.1	W=	.074887 /	7.2	T=	3.051 /	5.9
LAT= 30.0	U=	1.668 /	11.5	V=	1.204 /	11.0	W=	.078181 /	7.4	T=	3.298 /	6.2
LAT= 36.0	U=	2.131 /	11.8	V=	1.012 /	.7	W=	.076015 /	7.7	T=	3.352 /	6.4
LAT= 42.0	U=	2.532 /	.0	V=	1.371 /	2.0	W=	.068978 /	8.0	T=	3.227 /	6.6
LAT= 48.0	U=	2.728 /	.1	V=	1.843 /	2.7	W=	.059106 /	8.3	T=	2.911 /	6.7
LAT= 54.0	U=	2.752 /	.3	V=	2.229 /	3.1	W=	.048574 /	8.7	T=	2.443 /	6.9
LAT= 60.0	U=	2.729 /	.5	V=	2.435 /	3.4	W=	.037585 /	8.9	T=	1.915 /	7.0
LAT= 66.0	U=	2.581 /	.6	V=	2.385 /	3.5	W=	.026403 /	9.1	T=	1.390 /	7.1
LAT= 72.0	U=	2.182 /	.6	V=	2.039 /	3.7	W=	.014971 /	9.0	T=	.837 /	7.0
LAT= 78.0	U=	1.476 /	.6	V=	1.458 /	3.9	W=	.004142 /	9.5	T=	.341 /	7.0
LAT= 84.0	U=	.745 /	1.0	V=	.824 /	4.5	W=	.002534 /	11.6	T=	.090 /	7.3

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K

T_o = 600 K

Z= 100.017 KM

LAT= 0.0	U=	.599 / 7.6	V=	0.000 / 8.3	W=	.010392 / 2.3	T=	.907 / 11.8
LAT= 6.0	U=	.631 / 7.6	V=	1.357 / 10.7	W=	.008722 / 2.3	T=	.760 / 11.8
LAT= 12.0	U=	.656 / 7.6	V=	2.192 / 10.7	W=	.004259 / 2.4	T=	.371 / 11.8
LAT= 18.0	U=	.511 / 7.5	V=	2.197 / 10.7	W=	.001605 / 8.1	T=	.135 / 6.1
LAT= 24.0	U=	.097 / 6.0	V=	1.385 / 10.7	W=	.007084 / 8.3	T=	.599 / 6.0
LAT= 30.0	U=	.704 / 2.0	V=	.053 / 10.6	W=	.010816 / 8.4	T=	.904 / 6.0
LAT= 36.0	U=	1.609 / 1.9	V=	1.381 / 4.8	W=	.012143 / 8.5	T=	1.000 / 6.0
LAT= 42.0	U=	2.441 / 1.9	V=	2.540 / 4.8	W=	.011257 / 8.6	T=	.913 / 6.1
LAT= 48.0	U=	2.994 / 1.9	V=	3.210 / 4.9	W=	.008937 / 8.8	T=	.714 / 6.2
LAT= 54.0	U=	3.168 / 1.9	V=	3.360 / 4.9	W=	.006147 / 9.0	T=	.484 / 6.4
LAT= 60.0	U=	2.977 / 2.0	V=	3.091 / 4.9	W=	.003669 / 9.2	T=	.285 / 6.6
LAT= 66.0	U=	2.519 / 2.0	V=	2.560 / 5.0	W=	.001884 / 9.6	T=	.143 / 6.9
LAT= 72.0	U=	1.936 / 2.0	V=	1.907 / 5.0	W=	.001071 / 10.3	T=	.080 / 7.4
LAT= 78.0	U=	1.216 / 2.0	V=	1.234 / 5.0	W=	.000352 / 10.4	T=	.022 / 7.3
LAT= 84.0	U=	.614 / 2.0	V=	.609 / 5.1	W=	.000111 / 7.9	T=	.008 / 4.9

Z= 103.521 KM

LAT= 0.0	U=	.990 / 6.6	V=	0.000 / 1.2	W=	.013566 / 1.2	T=	1.306 / 10.7
LAT= 6.0	U=	1.023 / 6.6	V=	1.993 / 9.6	W=	.011403 / 1.2	T=	1.103 / 10.8
LAT= 12.0	U=	1.036 / 6.5	V=	3.280 / 9.6	W=	.005648 / 1.4	T=	.561 / 10.8
LAT= 18.0	U=	.828 / 6.4	V=	3.414 / 9.7	W=	.002091 / 6.5	T=	.155 / 4.4
LAT= 24.0	U=	.238 / 5.6	V=	2.360 / 9.8	W=	.009021 / 7.1	T=	.821 / 4.8
LAT= 30.0	U=	.867 / 1.0	V=	.498 / 10.4	W=	.013753 / 7.3	T=	1.278 / 4.9
LAT= 36.0	U=	2.195 / .8	V=	1.736 / 3.5	W=	.015392 / 7.5	T=	1.444 / 5.0
LAT= 42.0	U=	3.504 / .8	V=	3.623 / 3.6	W=	.014214 / 7.6	T=	1.342 / 5.2
LAT= 48.0	U=	4.481 / .8	V=	4.853 / 3.7	W=	.011247 / 7.9	T=	1.068 / 5.3
LAT= 54.0	U=	4.924 / .8	V=	5.296 / 3.8	W=	.007727 / 8.2	T=	.738 / 5.6
LAT= 60.0	U=	4.794 / .9	V=	5.039 / 3.9	W=	.004645 / 8.5	T=	.446 / 5.9
LAT= 66.0	U=	4.180 / .9	V=	4.291 / 3.9	W=	.002450 / 9.1	T=	.234 / 6.4
LAT= 72.0	U=	3.202 / 1.0	V=	3.270 / 4.0	W=	.001468 / 9.8	T=	.138 / 7.0
LAT= 78.0	U=	2.158 / 1.1	V=	2.150 / 4.1	W=	.000629 / 10.0	T=	.056 / 7.1
LAT= 84.0	U=	1.078 / 1.1	V=	1.033 / 4.2	W=	.000155 / 7.7	T=	.014 / 4.9

Z= 107.177 KM

LAT= 0.0	U=	1.461 / 5.4	V=	0.000 / 11.9	W=	.016516 / 11.9	T=	1.813 / 9.4
LAT= 6.0	U=	1.481 / 5.4	V=	2.588 / 8.3	W=	.013922 / 11.9	T=	1.543 / 9.5
LAT= 12.0	U=	1.456 / 5.3	V=	4.313 / 8.3	W=	.007043 / .1	T=	.821 / 9.6
LAT= 18.0	U=	1.178 / 5.2	V=	4.622 / 8.4	W=	.002285 / 5.0	T=	.178 / 2.2
LAT= 24.0	U=	.457 / 4.7	V=	3.446 / 8.6	W=	.010381 / 5.8	T=	1.045 / 3.3
LAT= 30.0	U=	.835 / 11.7	V=	1.274 / 9.4	W=	.015862 / 6.0	T=	1.662 / 3.5
LAT= 36.0	U=	2.431 / 11.5	V=	1.781 / 1.7	W=	.017651 / 6.2	T=	1.895 / 3.7
LAT= 42.0	U=	4.059 / 11.5	V=	4.162 / 2.2	W=	.016155 / 6.4	T=	1.772 / 3.9
LAT= 48.0	U=	5.341 / 11.5	V=	5.832 / 2.4	W=	.012653 / 6.7	T=	1.419 / 4.2
LAT= 54.0	U=	6.004 / 11.6	V=	6.535 / 2.5	W=	.008617 / 7.0	T=	.991 / 4.5
LAT= 60.0	U=	5.963 / 11.7	V=	6.385 / 2.7	W=	.005165 / 7.5	T=	.613 / 4.9
LAT= 66.0	U=	5.278 / 11.8	V=	5.492 / 2.8	W=	.002734 / 8.0	T=	.333 / 5.4
LAT= 72.0	U=	4.205 / 11.9	V=	4.214 / 2.9	W=	.001697 / 8.8	T=	.210 / 6.1
LAT= 78.0	U=	2.875 / .0	V=	2.786 / 3.0	W=	.000714 / 8.8	T=	.087 / 5.9
LAT= 84.0	U=	1.404 / .0	V=	1.322 / 3.1	W=	.000168 / 6.7	T=	.021 / 3.9

Z= 111.019 KM

LAT= 0.0	U=	1.817 / 4.2	V=	0.000 / 10.6	W=	.019131 / 10.6	T=	2.319 / 8.0
LAT= 6.0	U=	1.810 / 4.2	V=	2.830 / 7.1	W=	.016238 / 10.6	T=	1.991 / 8.0
LAT= 12.0	U=	1.723 / 4.0	V=	4.776 / 7.1	W=	.008557 / 10.8	T=	1.117 / 8.2
LAT= 18.0	U=	1.394 / 3.9	V=	5.262 / 7.2	W=	.001892 / 3.4	T=	.188 / 11.6
LAT= 24.0	U=	.667 / 3.4	V=	4.203 / 7.4	W=	.010872 / 4.5	T=	1.167 / 1.8
LAT= 30.0	U=	.646 / 10.8	V=	2.076 / 8.1	W=	.017025 / 4.7	T=	1.924 / 2.1
LAT= 36.0	U=	2.191 / 10.3	V=	1.491 / 11.6	W=	.019083 / 4.9	T=	2.223 / 2.3
LAT= 42.0	U=	3.820 / 10.3	V=	3.796 / .8	W=	.017507 / 5.1	T=	2.096 / 2.5
LAT= 48.0	U=	5.158 / 10.3	V=	5.612 / 1.1	W=	.013717 / 5.3	T=	1.694 / 2.8
LAT= 54.0	U=	5.920 / 10.4	V=	6.492 / 1.3	W=	.009346 / 5.7	T=	1.201 / 3.2
LAT= 60.0	U=	5.991 / 10.5	V=	6.418 / 1.5	W=	.005620 / 6.1	T=	.762 / 3.6
LAT= 66.0	U=	5.384 / 10.6	V=	5.637 / 1.6	W=	.002972 / 6.7	T=	.427 / 4.2
LAT= 72.0	U=	4.371 / 10.8	V=	4.399 / 1.8	W=	.001859 / 7.4	T=	.280 / 4.8
LAT= 78.0	U=	3.050 / 10.8	V=	2.927 / 1.9	W=	.000748 / 7.1	T=	.112 / 4.4
LAT= 84.0	U=	1.479 / 10.9	V=	1.379 / 2.1	W=	.000174 / 4.9	T=	.023 / 2.3

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 600 K

Z= 115.091 KM

LAT= 0.0	U=	1.969	/ 3.0	V=	0.000	/ 9.4	W=	.022016	/ 9.3	T=	2.744	/ 6.6
LAT= 6.0	U=	1.931	/ 3.0	V=	2.744	/ 5.9	W=	.018863	/ 9.4	T=	2.376	/ 6.6
LAT= 12.0	U=	1.786	/ 2.9	V=	4.686	/ 6.0	W=	.010466	/ 9.5	T=	1.397	/ 6.8
LAT= 18.0	U=	1.432	/ 2.6	V=	5.362	/ 6.1	W=	.001240	/ 1.3	T=	.238	/ 8.9
LAT= 24.0	U=	.776	/ 2.2	V=	4.492	/ 6.3	W=	.010950	/ 3.3	T=	1.178	/ .3
LAT= 30.0	U=	.473	/ 10.3	V=	2.659	/ 6.9	W=	.017960	/ 3.5	T=	2.040	/ .7
LAT= 36.0	U=	1.732	/ 9.3	V=	1.335	/ 9.4	W=	.020576	/ 3.6	T=	2.402	/ .9
LAT= 42.0	U=	3.141	/ 9.2	V=	2.959	/ 11.3	W=	.019212	/ 3.8	T=	2.298	/ 1.2
LAT= 48.0	U=	4.346	/ 9.2	V=	4.659	/ 11.8	W=	.015338	/ 4.1	T=	1.886	/ 1.4
LAT= 54.0	U=	5.095	/ 9.3	V=	5.583	/ .1	W=	.010681	/ 4.4	T=	1.365	/ 1.8
LAT= 60.0	U=	5.266	/ 9.4	V=	5.674	/ .4	W=	.006588	/ 4.7	T=	.890	/ 2.2
LAT= 66.0	U=	4.816	/ 9.6	V=	5.089	/ .6	W=	.003549	/ 5.2	T=	.512	/ 2.7
LAT= 72.0	U=	4.014	/ 9.8	V=	4.041	/ .7	W=	.002227	/ 5.9	T=	.340	/ 3.3
LAT= 78.0	U=	2.850	/ 9.8	V=	2.720	/ .9	W=	.000909	/ 5.3	T=	.132	/ 2.7
LAT= 84.0	U=	1.375	/ 9.9	V=	1.289	/ 1.2	W=	.000248	/ 3.2	T=	.028	/ .5

Z= 119.451 KM

LAT= 0.0	U=	1.992	/ 2.0	V=	0.000	/ 8.3	W=	.025411	/ 8.3	T=	3.005	/ 5.4
LAT= 6.0	U=	1.933	/ 1.9	V=	2.521	/ 4.8	W=	.021996	/ 8.3	T=	2.625	/ 5.4
LAT= 12.0	U=	1.749	/ 1.8	V=	4.350	/ 4.9	W=	.012861	/ 8.5	T=	1.610	/ 5.6
LAT= 18.0	U=	1.394	/ 1.5	V=	5.023	/ 5.1	W=	.001447	/ 10.3	T=	.349	/ 7.0
LAT= 24.0	U=	.819	/ 1.1	V=	4.438	/ 5.3	W=	.010902	/ 2.2	T=	1.094	/ 11.1
LAT= 30.0	U=	.372	/ 10.1	V=	2.944	/ 5.8	W=	.019070	/ 2.4	T=	2.020	/ 11.4
LAT= 36.0	U=	1.299	/ 8.4	V=	1.465	/ 7.5	W=	.022580	/ 2.6	T=	2.448	/ 11.7
LAT= 42.0	U=	2.455	/ 8.2	V=	2.204	/ 9.9	W=	.021720	/ 2.8	T=	2.398	/ 11.9
LAT= 48.0	U=	3.478	/ 8.2	V=	3.641	/ 10.7	W=	.017932	/ 3.0	T=	2.023	/ .2
LAT= 54.0	U=	4.160	/ 8.3	V=	4.531	/ 11.1	W=	.013006	/ 3.3	T=	1.510	/ .6
LAT= 60.0	U=	4.386	/ 8.5	V=	4.728	/ 11.3	W=	.008431	/ 3.6	T=	1.023	/ .9
LAT= 66.0	U=	4.079	/ 8.6	V=	4.332	/ 11.6	W=	.004757	/ 4.0	T=	.609	/ 1.4
LAT= 72.0	U=	3.493	/ 8.8	V=	3.503	/ 11.8	W=	.003042	/ 4.5	T=	.403	/ 1.8
LAT= 78.0	U=	2.510	/ 8.8	V=	2.390	/ .0	W=	.001256	/ 3.9	T=	.155	/ 1.3
LAT= 84.0	U=	1.208	/ 8.9	V=	1.149	/ .3	W=	.000336	/ 2.1	T=	.030	/ 11.3

Z= 124.175 KM

LAT= 0.0	U=	1.966	/ 1.0	V=	0.000	/ 7.5	W=	.029228	/ 7.5	T=	3.068	/ 4.5
LAT= 6.0	U=	1.896	/ 1.0	V=	2.283	/ 3.9	W=	.025543	/ 7.5	T=	2.701	/ 4.5
LAT= 12.0	U=	1.696	/ .8	V=	3.968	/ 4.0	W=	.015634	/ 7.6	T=	1.723	/ 4.7
LAT= 18.0	U=	1.355	/ .6	V=	4.650	/ 4.1	W=	.002836	/ 8.7	T=	.478	/ 5.7
LAT= 24.0	U=	.839	/ .2	V=	4.247	/ 4.4	W=	.010863	/ 1.3	T=	.956	/ 10.0
LAT= 30.0	U=	.308	/ 10.0	V=	3.014	/ 4.8	W=	.020432	/ 1.5	T=	1.901	/ 10.5
LAT= 36.0	U=	.954	/ 7.5	V=	1.626	/ 6.1	W=	.025109	/ 1.7	T=	2.387	/ 10.7
LAT= 42.0	U=	1.916	/ 7.2	V=	1.707	/ 8.5	W=	.024981	/ 1.9	T=	2.414	/ 11.0
LAT= 48.0	U=	2.786	/ 7.3	V=	2.837	/ 9.6	W=	.021412	/ 2.1	T=	2.109	/ 11.3
LAT= 54.0	U=	3.392	/ 7.4	V=	3.647	/ 10.1	W=	.016242	/ 2.4	T=	1.640	/ 11.6
LAT= 60.0	U=	3.637	/ 7.5	V=	3.896	/ 10.4	W=	.011118	/ 2.7	T=	1.162	/ 11.9
LAT= 66.0	U=	3.426	/ 7.7	V=	3.636	/ 10.7	W=	.006627	/ 3.0	T=	.720	/ .3
LAT= 72.0	U=	3.000	/ 8.0	V=	2.990	/ 10.9	W=	.004364	/ 3.5	T=	.479	/ .6
LAT= 78.0	U=	2.168	/ 8.0	V=	2.067	/ 11.1	W=	.001740	/ 2.9	T=	.180	/ .1
LAT= 84.0	U=	1.043	/ 8.1	V=	1.015	/ 11.6	W=	.000384	/ 1.2	T=	.025	/ 10.8

Z= 129.367 KM

LAT= 0.0	U=	1.909	/ .2	V=	0.000	/ 6.7	W=	.033207	/ 6.7	T=	2.981	/ 3.8
LAT= 6.0	U=	1.836	/ .2	V=	2.077	/ 3.0	W=	.029256	/ 6.8	T=	2.647	/ 3.8
LAT= 12.0	U=	1.639	/ .0	V=	3.628	/ 3.1	W=	.018586	/ 6.9	T=	1.747	/ 4.0
LAT= 18.0	U=	1.318	/ 11.8	V=	4.295	/ 3.3	W=	.004634	/ 7.8	T=	.586	/ 4.9
LAT= 24.0	U=	.841	/ 11.4	V=	4.003	/ 3.5	W=	.010311	/ .4	T=	.817	/ 9.1
LAT= 30.0	U=	.266	/ 10.0	V=	2.971	/ 3.9	W=	.021983	/ .7	T=	1.741	/ 9.7
LAT= 36.0	U=	.711	/ 6.5	V=	1.721	/ 4.9	W=	.027993	/ .9	T=	2.273	/ 10.0
LAT= 42.0	U=	1.549	/ 6.3	V=	1.424	/ 7.2	W=	.028750	/ 1.2	T=	2.378	/ 10.2
LAT= 48.0	U=	2.307	/ 6.3	V=	2.258	/ 8.5	W=	.025501	/ 1.4	T=	2.154	/ 10.5
LAT= 54.0	U=	2.843	/ 6.5	V=	2.972	/ 9.1	W=	.020120	/ 1.7	T=	1.744	/ 10.8
LAT= 60.0	U=	3.081	/ 6.7	V=	3.241	/ 9.5	W=	.014423	/ 2.0	T=	1.290	/ 11.1
LAT= 66.0	U=	2.920	/ 6.9	V=	3.076	/ 9.8	W=	.009011	/ 2.3	T=	.832	/ 11.4
LAT= 72.0	U=	2.596	/ 7.1	V=	2.569	/ 10.1	W=	.006084	/ 2.7	T=	.558	/ 11.7
LAT= 78.0	U=	1.874	/ 7.1	V=	1.799	/ 10.3	W=	.002302	/ 2.1	T=	.205	/ 11.3
LAT= 84.0	U=	.903	/ 7.3	V=	.905	/ 10.8	W=	.000364	/ .3	T=	.020	/ 10.6

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 600 K

Z= 135.169 KM

LAT= 0.0	U=	1.828	/ 11.5	V=	0.000	/ .5	W=	.037137	/ 6.1	T=	2.823	/ 3.2
LAT= 6.0	U=	1.760	/ 11.4	V=	1.911	/ 2.2	W=	.032928	/ 6.1	T=	2.524	/ 3.3
LAT= 12.0	U=	1.577	/ 11.2	V=	3.351	/ 2.3	W=	.021523	/ 6.3	T=	1.717	/ 3.4
LAT= 18.0	U=	1.276	/ 11.0	V=	4.000	/ 2.5	W=	.006559	/ 7.2	T=	.665	/ 4.3
LAT= 24.0	U=	.820	/ 10.8	V=	3.789	/ 2.7	W=	.011170	/ 11.5	T=	.710	/ 8.2
LAT= 30.0	U=	.226	/ 9.8	V=	2.906	/ 3.1	W=	.023660	/ .9	T=	1.589	/ 9.0
LAT= 36.0	U=	.592	/ 5.5	V=	1.780	/ 4.0	W=	.031016	/ .3	T=	2.148	/ 9.3
LAT= 42.0	U=	1.365	/ 5.4	V=	1.285	/ 6.0	W=	.032700	/ .5	T=	2.323	/ 9.6
LAT= 48.0	U=	2.046	/ 5.4	V=	1.870	/ 7.5	W=	.029822	/ .8	T=	2.174	/ 9.9
LAT= 54.0	U=	2.523	/ 5.6	V=	2.503	/ 8.2	W=	.024273	/ 1.1	T=	1.822	/ 10.2
LAT= 60.0	U=	2.741	/ 5.8	V=	2.785	/ 8.6	W=	.018023	/ 1.4	T=	1.397	/ 10.5
LAT= 66.0	U=	2.597	/ 6.0	V=	2.688	/ 9.0	W=	.011678	/ 1.8	T=	.929	/ 10.8
LAT= 72.0	U=	2.328	/ 6.3	V=	2.283	/ 9.3	W=	.008022	/ 2.1	T=	.630	/ 11.0
LAT= 78.0	U=	1.668	/ 6.3	V=	1.622	/ 9.5	W=	.002906	/ 1.8	T=	.229	/ 10.7
LAT= 84.0	U=	.810	/ 6.5	V=	.842	/ 10.0	W=	.000284	/ 11.4	T=	.021	/ 11.0

Z= 141.772 KM

LAT= 0.0	U=	1.737	/ 10.8	V=	0.000	/ 11.7	W=	.041078	/ 5.5	T=	2.644	/ 2.7
LAT= 6.0	U=	1.676	/ 10.7	V=	1.780	/ 1.5	W=	.036577	/ 5.5	T=	2.379	/ 2.8
LAT= 12.0	U=	1.512	/ 10.6	V=	3.135	/ 1.6	W=	.024380	/ 5.7	T=	1.661	/ 3.0
LAT= 18.0	U=	1.227	/ 10.4	V=	3.778	/ 1.7	W=	.008460	/ 6.6	T=	.718	/ 3.8
LAT= 24.0	U=	.778	/ 10.2	V=	3.636	/ 1.9	W=	.011779	/ 10.8	T=	.647	/ 7.4
LAT= 30.0	U=	.174	/ 9.5	V=	2.871	/ 2.3	W=	.025485	/ 11.4	T=	1.462	/ 8.4
LAT= 36.0	U=	.578	/ 4.6	V=	1.845	/ 3.1	W=	.034061	/ 11.7	T=	2.036	/ 8.8
LAT= 42.0	U=	1.316	/ 4.6	V=	1.248	/ 4.8	W=	.036608	/ .0	T=	2.263	/ 9.1
LAT= 48.0	U=	1.950	/ 4.7	V=	1.639	/ 6.5	W=	.034106	/ .3	T=	2.180	/ 9.4
LAT= 54.0	U=	2.385	/ 4.9	V=	2.215	/ 7.3	W=	.028438	/ .6	T=	1.878	/ 9.7
LAT= 60.0	U=	2.585	/ 5.1	V=	2.515	/ 7.8	W=	.021685	/ 1.0	T=	1.480	/ 9.9
LAT= 66.0	U=	2.442	/ 5.2	V=	2.474	/ 8.2	W=	.014444	/ 1.3	T=	1.010	/ 10.2
LAT= 72.0	U=	2.199	/ 5.5	V=	2.140	/ 8.4	W=	.010046	/ 1.6	T=	.691	/ 10.4
LAT= 78.0	U=	1.561	/ 5.5	V=	1.545	/ 8.7	W=	.003565	/ 1.1	T=	.253	/ 10.2
LAT= 84.0	U=	.766	/ 5.7	V=	.830	/ 9.2	W=	.000174	/ 10.7	T=	.029	/ 10.9

Z= 149.425 KM

LAT= 0.0	U=	1.648	/ 10.1	V=	0.000	/ 11.1	W=	.045262	/ 5.0	T=	2.471	/ 2.3
LAT= 6.0	U=	1.595	/ 10.1	V=	1.682	/ .8	W=	.040393	/ 5.0	T=	2.234	/ 2.3
LAT= 12.0	U=	1.446	/ 10.0	V=	2.980	/ .8	W=	.027237	/ 5.2	T=	1.592	/ 2.6
LAT= 18.0	U=	1.170	/ 9.9	V=	3.624	/ 1.0	W=	.010271	/ 6.2	T=	.750	/ 3.4
LAT= 24.0	U=	.722	/ 9.8	V=	3.545	/ 1.2	W=	.012759	/ 10.1	T=	.617	/ 6.7
LAT= 30.0	U=	.115	/ 9.3	V=	2.874	/ 1.6	W=	.027507	/ 10.8	T=	1.361	/ 7.9
LAT= 36.0	U=	.602	/ 3.9	V=	1.927	/ 2.3	W=	.037140	/ 11.2	T=	1.934	/ 8.3
LAT= 42.0	U=	1.314	/ 4.0	V=	1.275	/ 3.9	W=	.040440	/ 11.5	T=	2.201	/ 8.6
LAT= 48.0	U=	1.916	/ 4.1	V=	1.514	/ 5.6	W=	.038299	/ 11.9	T=	2.169	/ 8.9
LAT= 54.0	U=	2.326	/ 4.2	V=	2.052	/ 6.5	W=	.032564	/ .2	T=	1.912	/ 9.2
LAT= 60.0	U=	2.521	/ 4.4	V=	2.373	/ 7.0	W=	.025365	/ .6	T=	1.539	/ 9.5
LAT= 66.0	U=	2.383	/ 4.5	V=	2.377	/ 7.4	W=	.017266	/ .9	T=	1.070	/ 9.7
LAT= 72.0	U=	2.157	/ 4.8	V=	2.092	/ 7.7	W=	.012122	/ 1.2	T=	.739	/ 10.0
LAT= 78.0	U=	1.525	/ 4.7	V=	1.540	/ 7.9	W=	.004307	/ .8	T=	.276	/ 9.7
LAT= 84.0	U=	.759	/ 4.9	V=	.857	/ 8.4	W=	.000132	/ 1.1	T=	.038	/ 10.5

Z= 158.420 KM

LAT= 0.0	U=	1.572	/ 9.5	V=	0.000	/ 9.2	W=	.049725	/ 4.5	T=	2.319	/ 1.9
LAT= 6.0	U=	1.523	/ 9.4	V=	1.621	/ .1	W=	.044410	/ 4.5	T=	2.106	/ 2.0
LAT= 12.0	U=	1.381	/ 9.4	V=	2.884	/ .2	W=	.030123	/ 4.8	T=	1.525	/ 2.3
LAT= 18.0	U=	1.112	/ 9.4	V=	3.537	/ .4	W=	.011972	/ 5.8	T=	.767	/ 3.1
LAT= 24.0	U=	.674	/ 9.4	V=	3.507	/ .6	W=	.013965	/ 9.5	T=	.609	/ 6.1
LAT= 30.0	U=	.086	/ 10.1	V=	2.906	/ 1.0	W=	.029668	/ 10.3	T=	1.283	/ 7.4
LAT= 36.0	U=	.610	/ 3.2	V=	2.014	/ 1.6	W=	.040233	/ 10.7	T=	1.847	/ 7.9
LAT= 42.0	U=	1.299	/ 3.3	V=	1.327	/ 3.0	W=	.044201	/ 11.1	T=	2.138	/ 8.3
LAT= 48.0	U=	1.882	/ 3.5	V=	1.447	/ 4.8	W=	.042415	/ 11.4	T=	2.148	/ 8.6
LAT= 54.0	U=	2.285	/ 3.6	V=	1.957	/ 5.8	W=	.036678	/ 11.8	T=	1.929	/ 8.9
LAT= 60.0	U=	2.493	/ 3.8	V=	2.306	/ 6.3	W=	.029100	/ .1	T=	1.578	/ 9.1
LAT= 66.0	U=	2.375	/ 3.9	V=	2.349	/ 6.7	W=	.020157	/ .5	T=	1.115	/ 9.4
LAT= 72.0	U=	2.168	/ 4.1	V=	2.100	/ 7.0	W=	.014240	/ .7	T=	.774	/ 9.6
LAT= 78.0	U=	1.535	/ 4.1	V=	1.572	/ 7.3	W=	.005099	/ .5	T=	.298	/ 9.4
LAT= 84.0	U=	.775	/ 4.3	V=	.905	/ 7.7	W=	.000510	/ 1.9	T=	.050	/ 10.1

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 181.310 KM

LAT= 0.0	U=	1.485 /	8.4	V=	0.000 /	3.6	W=	.057717 /	3.6	T=	2.128 /	1.4
LAT= 6.0	U=	1.435 /	8.4	V=	1.595 /	11.0	W=	.051550 /	3.7	T=	1.942 /	1.5
LAT= 12.0	U=	1.292 /	8.4	V=	2.854 /	11.1	W=	.035135 /	4.0	T=	1.437 /	1.8
LAT= 18.0	U=	1.031 /	8.6	V=	3.538 /	11.3	W=	.014773 /	5.0	T=	.785 /	2.7
LAT= 24.0	U=	.627 /	8.9	V=	3.573 /	11.5	W=	.016204 /	8.5	T=	.614 /	5.4
LAT= 30.0	U=	.225 /	11.2	V=	3.053 /	11.9	W=	.033511 /	9.4	T=	1.191 /	6.8
LAT= 36.0	U=	.693 /	1.7	V=	2.215 /	.5	W=	.045611 /	9.9	T=	1.735 /	7.4
LAT= 42.0	U=	1.362 /	2.2	V=	1.470 /	1.7	W=	.050669 /	10.3	T=	2.056 /	7.8
LAT= 48.0	U=	1.956 /	2.4	V=	1.411 /	3.5	W=	.049511 /	10.7	T=	2.120 /	8.1
LAT= 54.0	U=	2.386 /	2.6	V=	1.898 /	4.6	W=	.043918 /	11.1	T=	1.953 /	8.4
LAT= 60.0	U=	2.639 /	2.7	V=	2.324 /	5.3	W=	.035857 /	11.5	T=	1.635 /	8.7
LAT= 66.0	U=	2.559 /	2.9	V=	2.457 /	5.7	W=	.025454 /	11.8	T=	1.178 /	8.9
LAT= 72.0	U=	2.374 /	3.0	V=	2.257 /	6.0	W=	.018054 /	.0	T=	.824 /	9.1
LAT= 78.0	U=	1.673 /	3.0	V=	1.722 /	6.2	W=	.006437 /	.1	T=	.332 /	9.0
LAT= 84.0	U=	.865 /	3.3	V=	1.035 /	6.7	W=	.001689 /	1.6	T=	.076 /	9.5

Z= 209.865 KM

LAT= 0.0	U=	1.491 /	7.7	V=	0.000 /	.8	W=	.062308 /	3.3	T=	2.082 /	1.2
LAT= 6.0	U=	1.438 /	7.7	V=	1.641 /	10.3	W=	.055665 /	3.1	T=	1.905 /	1.3
LAT= 12.0	U=	1.286 /	7.8	V=	2.943 /	10.4	W=	.038038 /	3.4	T=	1.423 /	1.6
LAT= 18.0	U=	1.021 /	8.1	V=	3.672 /	10.6	W=	.016286 /	4.4	T=	.806 /	2.5
LAT= 24.0	U=	.641 /	8.7	V=	3.752 /	10.9	W=	.017289 /	7.8	T=	.631 /	5.1
LAT= 30.0	U=	.401 /	11.0	V=	3.268 /	11.3	W=	.035600 /	8.8	T=	1.174 /	6.5
LAT= 36.0	U=	.877 /	.9	V=	2.439 /	11.9	W=	.048516 /	9.3	T=	1.716 /	7.1
LAT= 42.0	U=	1.569 /	1.4	V=	1.642 /	1.0	W=	.053936 /	9.7	T=	2.056 /	7.5
LAT= 48.0	U=	2.204 /	1.7	V=	1.475 /	2.7	W=	.052786 /	10.1	T=	2.148 /	7.9
LAT= 54.0	U=	2.672 /	1.9	V=	1.957 /	4.0	W=	.047106 /	10.6	T=	2.005 /	8.2
LAT= 60.0	U=	2.955 /	2.1	V=	2.462 /	4.6	W=	.038908 /	11.0	T=	1.698 /	8.4
LAT= 66.0	U=	2.878 /	2.3	V=	2.674 /	5.1	W=	.027903 /	11.3	T=	1.234 /	8.6
LAT= 72.0	U=	2.691 /	2.4	V=	2.500 /	5.4	W=	.019718 /	11.6	T=	.865 /	8.8
LAT= 78.0	U=	1.874 /	2.4	V=	1.917 /	5.6	W=	.006737 /	11.8	T=	.358 /	8.8
LAT= 84.0	U=	.975 /	2.7	V=	1.161 /	6.1	W=	.002670 /	1.4	T=	.094 /	9.2

Z= 240.988 KM

LAT= 0.0	U=	1.546 /	7.3	V=	0.000 /	.7	W=	.064824 /	2.5	T=	2.109 /	1.1
LAT= 6.0	U=	1.490 /	7.3	V=	1.691 /	10.0	W=	.057968 /	2.6	T=	1.930 /	1.2
LAT= 12.0	U=	1.327 /	7.5	V=	3.042 /	10.1	W=	.039723 /	2.9	T=	1.447 /	1.6
LAT= 18.0	U=	1.051 /	7.9	V=	3.813 /	10.3	W=	.016898 /	3.8	T=	.830 /	2.5
LAT= 24.0	U=	.683 /	8.6	V=	3.927 /	10.6	W=	.017266 /	7.3	T=	.650 /	4.9
LAT= 30.0	U=	.526 /	10.8	V=	3.457 /	11.0	W=	.036299 /	8.3	T=	1.191 /	6.4
LAT= 36.0	U=	1.034 /	.4	V=	2.616 /	11.5	W=	.049412 /	8.8	T=	1.744 /	7.0
LAT= 42.0	U=	1.760 /	1.0	V=	1.776 /	.6	W=	.054401 /	9.2	T=	2.099 /	7.4
LAT= 48.0	U=	2.433 /	1.4	V=	1.550 /	2.3	W=	.052464 /	9.7	T=	2.204 /	7.8
LAT= 54.0	U=	2.929 /	1.6	V=	2.041 /	3.6	W=	.046181 /	10.2	T=	2.067 /	8.1
LAT= 60.0	U=	3.227 /	1.8	V=	2.596 /	4.3	W=	.037913 /	10.6	T=	1.758 /	8.3
LAT= 66.0	U=	3.140 /	2.0	V=	2.859 /	4.8	W=	.027173 /	11.0	T=	1.280 /	8.6
LAT= 72.0	U=	2.941 /	2.2	V=	2.695 /	5.1	W=	.019097 /	11.2	T=	.898 /	8.7
LAT= 78.0	U=	2.032 /	2.2	V=	2.066 /	5.3	W=	.005975 /	11.6	T=	.375 /	8.7
LAT= 84.0	U=	1.059 /	2.4	V=	1.247 /	5.8	W=	.003230 /	1.4	T=	.102 /	9.1

Z= 272.801 KM

LAT= 0.0	U=	1.603 /	7.1	V=	0.000 /	1.4	W=	.067109 /	2.1	T=	2.159 /	1.1
LAT= 6.0	U=	1.544 /	7.2	V=	1.733 /	9.8	W=	.060114 /	2.2	T=	1.977 /	1.2
LAT= 12.0	U=	1.373 /	7.4	V=	3.122 /	10.0	W=	.041392 /	2.4	T=	1.484 /	1.5
LAT= 18.0	U=	1.088 /	7.7	V=	3.929 /	10.1	W=	.017395 /	3.3	T=	.855 /	2.5
LAT= 24.0	U=	.721 /	8.6	V=	4.063 /	10.4	W=	.016497 /	6.9	T=	.669 /	4.9
LAT= 30.0	U=	.603 /	10.7	V=	3.597 /	10.8	W=	.036277 /	7.9	T=	1.220 /	6.4
LAT= 36.0	U=	1.135 /	.3	V=	2.739 /	11.4	W=	.049374 /	8.4	T=	1.788 /	7.0
LAT= 42.0	U=	1.890 /	.9	V=	1.864 /	.4	W=	.055533 /	8.8	T=	2.155 /	7.4
LAT= 48.0	U=	2.590 /	1.2	V=	1.608 /	2.1	W=	.050286 /	9.3	T=	2.266 /	7.7
LAT= 54.0	U=	3.106 /	1.5	V=	2.109 /	3.5	W=	.042905 /	9.7	T=	2.129 /	8.0
LAT= 60.0	U=	3.413 /	1.7	V=	2.697 /	4.2	W=	.034352 /	10.2	T=	1.814 /	8.3
LAT= 66.0	U=	3.317 /	1.9	V=	2.987 /	4.7	W=	.024306 /	10.6	T=	1.323 /	8.5
LAT= 72.0	U=	3.107 /	2.0	V=	2.828 /	5.0	W=	.016997 /	10.9	T=	.927 /	8.7
LAT= 78.0	U=	2.139 /	2.1	V=	2.167 /	5.2	W=	.004491 /	11.3	T=	.388 /	8.7
LAT= 84.0	U=	1.115 /	2.3	V=	1.304 /	5.7	W=	.003481 /	1.4	T=	.108 /	9.0

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 600 K

Z= 304.762 KM

LAT= 0.0	U=	1.652 /	7.0	V=	0.000 /	1.7	W=	.070486 /	1.7	T=	2.218 /	1.1
LAT= 6.0	U=	1.591 /	7.1	V=	1.768 /	9.8	W=	.063319 /	1.7	T=	2.030 /	1.2
LAT= 12.0	U=	1.415 /	7.3	V=	3.193 /	9.9	W=	.044012 /	1.9	T=	1.525 /	1.5
LAT= 18.0	U=	1.121 /	7.7	V=	4.025 /	10.1	W=	.018587 /	2.7	T=	.879 /	2.4
LAT= 24.0	U=	.752 /	8.6	V=	4.174 /	10.4	W=	.015353 /	6.5	T=	.688 /	4.9
LAT= 30.0	U=	.650 /	10.7	V=	3.704 /	10.7	W=	.036180 /	7.5	T=	1.253 /	6.4
LAT= 36.0	U=	1.200 /	.2	V=	2.828 /	11.3	W=	.049526 /	8.0	T=	1.838 /	7.0
LAT= 42.0	U=	1.977 /	.8	V=	1.926 /	.4	W=	.052955 /	8.3	T=	2.215 /	7.4
LAT= 48.0	U=	2.698 /	1.2	V=	1.651 /	2.1	W=	.048221 /	8.8	T=	2.332 /	7.7
LAT= 54.0	U=	3.228 /	1.4	V=	2.165 /	3.4	W=	.039271 /	9.2	T=	2.193 /	8.0
LAT= 60.0	U=	3.543 /	1.7	V=	2.774 /	4.2	W=	.029899 /	9.7	T=	1.868 /	8.3
LAT= 66.0	U=	3.440 /	1.8	V=	3.081 /	4.6	W=	.020433 /	10.2	T=	1.363 /	8.5
LAT= 72.0	U=	3.222 /	2.0	V=	2.924 /	4.9	W=	.014196 /	10.4	T=	.955 /	8.7
LAT= 78.0	U=	2.214 /	2.0	V=	2.240 /	5.2	W=	.002590 /	10.8	T=	.400 /	8.7
LAT= 84.0	U=	1.155 /	2.3	V=	1.345 /	5.7	W=	.003569 /	1.6	T=	.112 /	9.0

Z= 336.754 KM

LAT= 0.0	U=	1.694 /	7.0	V=	0.000 /	1.9	W=	.075890 /	1.3	T=	2.278 /	1.1
LAT= 6.0	U=	1.631 /	7.1	V=	1.803 /	9.7	W=	.068455 /	1.3	T=	2.085 /	1.2
LAT= 12.0	U=	1.451 /	7.3	V=	3.257 /	9.9	W=	.048281 /	1.5	T=	1.566 /	1.5
LAT= 18.0	U=	1.149 /	7.7	V=	4.112 /	10.0	W=	.021063 /	2.1	T=	.904 /	2.4
LAT= 24.0	U=	.775 /	8.6	V=	4.268 /	10.3	W=	.014256 /	6.1	T=	.707 /	4.9
LAT= 30.0	U=	.681 /	10.7	V=	3.793 /	10.7	W=	.036648 /	7.1	T=	1.287 /	6.4
LAT= 36.0	U=	1.245 /	.1	V=	2.899 /	11.3	W=	.050944 /	7.5	T=	1.887 /	7.0
LAT= 42.0	U=	2.040 /	.8	V=	1.976 /	.3	W=	.054240 /	7.8	T=	2.276 /	7.4
LAT= 48.0	U=	2.780 /	1.1	V=	1.689 /	2.0	W=	.048319 /	8.2	T=	2.396 /	7.7
LAT= 54.0	U=	3.322 /	1.4	V=	2.214 /	3.4	W=	.037577 /	8.6	T=	2.253 /	8.0
LAT= 60.0	U=	3.643 /	1.6	V=	2.840 /	4.1	W=	.026656 /	9.0	T=	1.921 /	8.3
LAT= 66.0	U=	3.536 /	1.8	V=	3.158 /	4.6	W=	.017010 /	9.5	T=	1.401 /	8.5
LAT= 72.0	U=	3.312 /	2.0	V=	3.000 /	4.9	W=	.011687 /	9.7	T=	.982 /	8.7
LAT= 78.0	U=	2.273 /	2.0	V=	2.297 /	5.1	W=	.001299 /	8.5	T=	.412 /	8.7
LAT= 84.0	U=	1.187 /	2.2	V=	1.377 /	5.6	W=	.003609 /	1.9	T=	.115 /	9.0

Z= 368.753 KM

LAT= 0.0	U=	1.731 /	7.0	V=	0.000 /	2.0	W=	.083632 /	.9	T=	2.334 /	1.1
LAT= 6.0	U=	1.668 /	7.0	V=	1.838 /	9.7	W=	.075801 /	1.0	T=	2.138 /	1.2
LAT= 12.0	U=	1.483 /	7.2	V=	3.320 /	9.8	W=	.054397 /	1.1	T=	1.606 /	1.5
LAT= 18.0	U=	1.175 /	7.7	V=	4.194 /	10.0	W=	.024949 /	1.7	T=	.927 /	2.4
LAT= 24.0	U=	.794 /	8.6	V=	4.357 /	10.3	W=	.013661 /	5.5	T=	.726 /	4.9
LAT= 30.0	U=	.703 /	10.7	V=	3.875 /	10.7	W=	.038133 /	6.7	T=	1.319 /	6.4
LAT= 36.0	U=	1.280 /	.1	V=	2.964 /	11.3	W=	.054326 /	7.1	T=	1.935 /	7.0
LAT= 42.0	U=	2.091 /	.7	V=	2.019 /	.3	W=	.058438 /	7.3	T=	2.333 /	7.4
LAT= 48.0	U=	2.846 /	1.1	V=	1.724 /	2.0	W=	.052119 /	7.6	T=	2.457 /	7.7
LAT= 54.0	U=	3.401 /	1.4	V=	2.260 /	3.4	W=	.039958 /	7.9	T=	2.311 /	8.0
LAT= 60.0	U=	3.728 /	1.6	V=	2.901 /	4.1	W=	.027190 /	8.2	T=	1.970 /	8.3
LAT= 66.0	U=	3.618 /	1.8	V=	3.227 /	4.6	W=	.016292 /	8.5	T=	1.437 /	8.5
LAT= 72.0	U=	3.389 /	2.0	V=	3.067 /	4.9	W=	.011070 /	8.7	T=	1.007 /	8.7
LAT= 78.0	U=	2.325 /	2.0	V=	2.348 /	5.1	W=	.003245 /	6.5	T=	.423 /	8.7
LAT= 84.0	U=	1.214 /	2.2	V=	1.406 /	5.6	W=	.003674 /	2.2	T=	.118 /	9.0

Z= 400.753 KM

LAT= 0.0	U=	1.766 /	7.0	V=	0.000 /	2.0	W=	.093270 /	.6	T=	2.388 /	1.1
LAT= 6.0	U=	1.701 /	7.0	V=	1.872 /	9.7	W=	.084936 /	.7	T=	2.187 /	1.2
LAT= 12.0	U=	1.513 /	7.2	V=	3.385 /	9.8	W=	.061997 /	.8	T=	1.642 /	1.5
LAT= 18.0	U=	1.200 /	7.7	V=	4.276 /	10.0	W=	.029956 /	1.3	T=	.948 /	2.4
LAT= 24.0	U=	.812 /	8.6	V=	4.444 /	10.3	W=	.013992 /	4.9	T=	.742 /	4.9
LAT= 30.0	U=	.720 /	10.6	V=	3.952 /	10.7	W=	.040747 /	6.3	T=	1.350 /	6.4
LAT= 36.0	U=	1.308 /	.1	V=	3.023 /	11.3	W=	.059734 /	6.7	T=	1.979 /	7.0
LAT= 42.0	U=	2.136 /	.7	V=	2.060 /	.3	W=	.065657 /	6.9	T=	2.386 /	7.4
LAT= 48.0	U=	2.907 /	1.1	V=	1.758 /	2.0	W=	.059905 /	7.1	T=	2.513 /	7.7
LAT= 54.0	U=	3.472 /	1.4	V=	2.304 /	3.4	W=	.047066 /	7.2	T=	2.364 /	8.0
LAT= 60.0	U=	3.806 /	1.6	V=	2.958 /	4.1	W=	.032777 /	7.4	T=	2.015 /	8.3
LAT= 66.0	U=	3.694 /	1.8	V=	3.292 /	4.6	W=	.019959 /	7.6	T=	1.470 /	8.5
LAT= 72.0	U=	3.459 /	1.9	V=	3.129 /	4.9	W=	.013602 /	7.7	T=	1.030 /	8.7
LAT= 78.0	U=	2.372 /	2.0	V=	2.396 /	5.1	W=	.006163 /	6.1	T=	.432 /	8.7
LAT= 84.0	U=	1.239 /	2.2	V=	1.435 /	5.6	W=	.003791 /	2.6	T=	.122 /	9.0

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 100.017 KM

LAT= 0.0	U=	.525 / 7.7	V=	0.000 / 8.3	W=	.009731 / 2.3	T=	.884 / 11.7
LAT= 6.0	U=	.556 / 7.7	V=	1.230 / 10.8	W=	.008169 / 2.3	T=	.741 / 11.7
LAT= 12.0	U=	.584 / 7.7	V=	1.993 / 10.8	W=	.003990 / 2.3	T=	.360 / 11.7
LAT= 18.0	U=	.460 / 7.6	V=	2.009 / 10.8	W=	.001500 / 8.2	T=	.139 / 6.2
LAT= 24.0	U=	.088 / 6.1	V=	1.284 / 10.8	W=	.006690 / 8.3	T=	.595 / 5.9
LAT= 30.0	U=	.636 / 2.1	V=	.074 / 11.2	W=	.010262 / 8.4	T=	.899 / 5.9
LAT= 36.0	U=	1.473 / 2.0	V=	1.250 / 4.9	W=	.011586 / 8.5	T=	1.000 / 6.0
LAT= 42.0	U=	2.259 / 2.0	V=	2.343 / 4.9	W=	.010814 / 8.6	T=	.919 / 6.0
LAT= 48.0	U=	2.799 / 2.0	V=	2.996 / 5.0	W=	.008655 / 8.7	T=	.724 / 6.1
LAT= 54.0	U=	2.994 / 2.0	V=	3.170 / 5.0	W=	.006012 / 8.8	T=	.496 / 6.2
LAT= 60.0	U=	2.837 / 2.1	V=	2.947 / 5.1	W=	.003617 / 9.1	T=	.294 / 6.4
LAT= 66.0	U=	2.435 / 2.1	V=	2.461 / 5.1	W=	.001895 / 9.4	T=	.153 / 6.7
LAT= 72.0	U=	1.876 / 2.1	V=	1.845 / 5.1	W=	.001061 / 10.0	T=	.084 / 7.2
LAT= 78.0	U=	1.186 / 2.1	V=	1.202 / 5.2	W=	.000353 / 9.8	T=	.024 / 6.7
LAT= 84.0	U=	.599 / 2.2	V=	.598 / 5.2	W=	.000123 / 7.7	T=	.009 / 4.7

Z= 103.521 KM

LAT= 0.0	U=	.853 / 6.6	V=	0.000 / 1.1	W=	.012663 / 1.1	T=	1.274 / 10.6
LAT= 6.0	U=	.885 / 6.6	V=	1.777 / 9.6	W=	.010661 / 1.1	T=	1.076 / 10.6
LAT= 12.0	U=	.907 / 6.6	V=	2.929 / 9.7	W=	.005306 / 1.3	T=	.547 / 10.7
LAT= 18.0	U=	.733 / 6.4	V=	3.060 / 9.7	W=	.001818 / 6.7	T=	.148 / 4.6
LAT= 24.0	U=	.226 / 5.5	V=	2.128 / 9.8	W=	.008439 / 7.1	T=	.809 / 4.7
LAT= 30.0	U=	.782 / 1.1	V=	.444 / 10.2	W=	.013032 / 7.3	T=	1.268 / 4.8
LAT= 36.0	U=	1.981 / .9	V=	1.544 / 3.6	W=	.014749 / 7.4	T=	1.444 / 4.9
LAT= 42.0	U=	3.182 / .9	V=	3.274 / 3.7	W=	.013778 / 7.5	T=	1.353 / 5.0
LAT= 48.0	U=	4.097 / .9	V=	4.425 / 3.8	W=	.011032 / 7.7	T=	1.087 / 5.2
LAT= 54.0	U=	4.536 / .9	V=	4.866 / 3.9	W=	.007668 / 8.0	T=	.757 / 5.4
LAT= 60.0	U=	4.441 / .9	V=	4.665 / 3.9	W=	.004631 / 8.3	T=	.459 / 5.6
LAT= 66.0	U=	3.912 / 1.0	V=	3.998 / 4.0	W=	.002453 / 8.7	T=	.244 / 6.0
LAT= 72.0	U=	3.077 / 1.0	V=	3.062 / 4.0	W=	.001416 / 9.4	T=	.139 / 6.6
LAT= 78.0	U=	2.074 / 1.1	V=	2.022 / 4.1	W=	.000583 / 9.3	T=	.057 / 6.4
LAT= 84.0	U=	1.017 / 1.1	V=	.968 / 4.2	W=	.000179 / 7.3	T=	.017 / 4.5

Z= 107.177 KM

LAT= 0.0	U=	1.253 / 5.4	V=	0.000 / 11.8	W=	.015426 / 11.8	T=	1.789 / 9.3
LAT= 6.0	U=	1.277 / 5.4	V=	2.293 / 8.3	W=	.013029 / 11.9	T=	1.522 / 9.3
LAT= 12.0	U=	1.271 / 5.3	V=	3.830 / 8.3	W=	.006632 / 0.0	T=	.807 / 9.4
LAT= 18.0	U=	1.043 / 5.1	V=	4.115 / 8.4	W=	.001896 / 5.2	T=	.153 / 2.6
LAT= 24.0	U=	.427 / 4.5	V=	3.075 / 8.6	W=	.009698 / 5.8	T=	1.044 / 3.3
LAT= 30.0	U=	.757 / 11.9	V=	1.090 / 9.2	W=	.015071 / 6.0	T=	1.674 / 3.5
LAT= 36.0	U=	2.194 / 11.6	V=	1.547 / 1.8	W=	.017020 / 6.1	T=	1.925 / 3.6
LAT= 42.0	U=	3.690 / 11.5	V=	3.759 / 2.3	W=	.015824 / 6.3	T=	1.815 / 3.8
LAT= 48.0	U=	4.893 / 11.6	V=	5.326 / 2.4	W=	.012597 / 6.5	T=	1.465 / 4.0
LAT= 54.0	U=	5.544 / 11.6	V=	6.018 / 2.5	W=	.008712 / 6.8	T=	1.028 / 4.2
LAT= 60.0	U=	5.540 / 11.7	V=	5.877 / 2.7	W=	.005249 / 7.1	T=	.632 / 4.5
LAT= 66.0	U=	4.943 / 11.8	V=	5.107 / 2.8	W=	.002776 / 7.6	T=	.340 / 5.0
LAT= 72.0	U=	3.951 / 11.9	V=	3.952 / 2.8	W=	.001644 / 8.4	T=	.207 / 5.7
LAT= 78.0	U=	2.730 / 11.9	V=	2.621 / 2.9	W=	.000672 / 7.9	T=	.085 / 5.1
LAT= 84.0	U=	1.324 / 11.9	V=	1.236 / 3.1	W=	.000218 / 6.0	T=	.027 / 3.3

Z= 111.019 KM

LAT= 0.0	U=	1.575 / 4.1	V=	0.000 / 10.5	W=	.017778 / 10.5	T=	2.324 / 7.9
LAT= 6.0	U=	1.580 / 4.1	V=	2.534 / 7.0	W=	.015128 / 10.5	T=	1.996 / 7.9
LAT= 12.0	U=	1.530 / 4.0	V=	4.282 / 7.1	W=	.008047 / 10.6	T=	1.117 / 8.0
LAT= 18.0	U=	1.265 / 3.8	V=	4.721 / 7.2	W=	.001384 / 3.7	T=	.122 / 11.8
LAT= 24.0	U=	.634 / 3.3	V=	3.757 / 7.3	W=	.010033 / 4.5	T=	1.175 / 1.8
LAT= 30.0	U=	.588 / 10.9	V=	1.776 / 7.9	W=	.016033 / 4.7	T=	1.963 / 2.0
LAT= 36.0	U=	2.007 / 10.3	V=	1.253 / 11.8	W=	.018277 / 4.8	T=	2.289 / 2.2
LAT= 42.0	U=	3.539 / 10.2	V=	3.495 / .8	W=	.017073 / 5.0	T=	2.177 / 2.4
LAT= 48.0	U=	4.822 / 10.3	V=	5.230 / 1.1	W=	.013644 / 5.2	T=	1.774 / 2.6
LAT= 54.0	U=	5.574 / 10.3	V=	6.083 / 1.2	W=	.009493 / 5.4	T=	1.262 / 2.9
LAT= 60.0	U=	5.674 / 10.4	V=	6.057 / 1.4	W=	.005776 / 5.8	T=	.793 / 3.2
LAT= 66.0	U=	5.121 / 10.5	V=	5.342 / 1.5	W=	.003096 / 6.2	T=	.438 / 3.7
LAT= 72.0	U=	4.168 / 10.7	V=	4.180 / 1.6	W=	.001865 / 7.0	T=	.278 / 4.3
LAT= 78.0	U=	2.933 / 10.7	V=	2.784 / 1.7	W=	.000794 / 6.1	T=	.116 / 3.4
LAT= 84.0	U=	1.411 / 10.7	V=	1.300 / 2.0	W=	.000258 / 4.4	T=	.035 / 1.7

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (*contd*)

T_o = 800 K

Z= 115.091 KM

LAT= 0.0	U=	1.734 /	2.9	V=	0.000 /	9.2	W=	.020347 /	9.2	T=	2.807 /	6.4
LAT= 6.0	U=	1.715 /	2.9	V=	2.475 /	5.8	W=	.017485 /	9.2	T=	2.434 /	6.5
LAT= 12.0	U=	1.620 /	2.8	V=	4.232 /	5.9	W=	.009821 /	9.3	T=	1.433 /	6.6
LAT= 18.0	U=	1.342 /	2.6	V=	4.787 /	6.0	W=	.000553 /	1.3	T=	.172 /	8.3
LAT= 24.0	U=	.770 /	2.1	V=	4.036 /	6.2	W=	.009894 /	3.2	T=	1.185 /	.3
LAT= 30.0	U=	.412 /	10.5	V=	2.308 /	6.7	W=	.016615 /	3.4	T=	2.092 /	.6
LAT= 36.0	U=	1.582 /	9.2	V=	1.035 /	9.4	W=	.019345 /	3.5	T=	2.488 /	.7
LAT= 42.0	U=	2.944 /	9.1	V=	2.750 /	11.3	W=	.018357 /	3.7	T=	2.399 /	.9
LAT= 48.0	U=	4.133 /	9.1	V=	4.417 /	11.8	W=	.014906 /	3.9	T=	1.981 /	1.2
LAT= 54.0	U=	4.889 /	9.2	V=	5.334 /	0.0	W=	.010575 /	4.1	T=	1.436 /	1.5
LAT= 60.0	U=	5.086 /	9.2	V=	5.448 /	.2	W=	.006602 /	4.4	T=	.927 /	1.8
LAT= 66.0	U=	4.660 /	9.4	V=	4.903 /	.4	W=	.003636 /	4.8	T=	.529 /	2.3
LAT= 72.0	U=	3.895 /	9.5	V=	3.900 /	.5	W=	.002242 /	5.4	T=	.346 /	2.8
LAT= 78.0	U=	2.784 /	9.5	V=	2.623 /	.6	W=	.001001 /	4.5	T=	.144 /	1.8
LAT= 84.0	U=	1.331 /	9.6	V=	1.230 /	.9	W=	.000335 /	2.8	T=	.044 /	0.0

Z= 119.451 KM

LAT= 0.0	U=	1.762 /	1.8	V=	0.000 /	8.1	W=	.023383 /	8.1	T=	3.141 /	5.2
LAT= 6.0	U=	1.726 /	1.8	V=	2.270 /	4.7	W=	.020304 /	8.1	T=	2.748 /	5.2
LAT= 12.0	U=	1.602 /	1.6	V=	3.920 /	4.8	W=	.012035 /	8.2	T=	1.694 /	5.3
LAT= 18.0	U=	1.331 /	1.4	V=	4.528 /	4.9	W=	.001171 /	9.1	T=	.330 /	6.3
LAT= 24.0	U=	.838 /	1.0	V=	3.995 /	5.1	W=	.009601 /	2.1	T=	1.090 /	11.0
LAT= 30.0	U=	.328 /	10.5	V=	2.585 /	5.5	W=	.017297 /	2.3	T=	2.076 /	11.3
LAT= 36.0	U=	1.140 /	8.2	V=	1.156 /	7.3	W=	.020800 /	2.4	T=	2.541 /	11.5
LAT= 42.0	U=	2.269 /	8.0	V=	2.015 /	9.9	W=	.020274 /	2.5	T=	2.504 /	11.7
LAT= 48.0	U=	3.294 /	8.0	V=	3.450 /	10.5	W=	.016947 /	2.7	T=	2.116 /	11.9
LAT= 54.0	U=	3.989 /	8.1	V=	4.333 /	10.9	W=	.012446 /	2.9	T=	1.578 /	.2
LAT= 60.0	U=	4.241 /	8.2	V=	4.544 /	11.1	W=	.008129 /	3.2	T=	1.059 /	.5
LAT= 66.0	U=	3.948 /	8.3	V=	4.174 /	11.3	W=	.004663 /	3.5	T=	.626 /	.9
LAT= 72.0	U=	3.395 /	8.5	V=	3.379 /	11.5	W=	.002979 /	4.0	T=	.414 /	1.3
LAT= 78.0	U=	2.453 /	8.5	V=	2.300 /	11.6	W=	.001318 /	3.1	T=	.169 /	.3
LAT= 84.0	U=	1.167 /	8.6	V=	1.094 /	0.0	W=	.000422 /	1.6	T=	.047 /	10.5

Z= 124.175 KM

LAT= 0.0	U=	1.740 /	.8	V=	0.000 /	7.2	W=	.026647 /	7.2	T=	3.255 /	4.2
LAT= 6.0	U=	1.696 /	.8	V=	2.043 /	3.7	W=	.023368 /	7.2	T=	2.873 /	4.2
LAT= 12.0	U=	1.562 /	.6	V=	3.553 /	3.8	W=	.014514 /	7.3	T=	1.845 /	4.3
LAT= 18.0	U=	1.308 /	.4	V=	4.168 /	3.9	W=	.002717 /	7.8	T=	.497 /	5.0
LAT= 24.0	U=	.881 /	0.0	V=	3.797 /	4.1	W=	.009234 /	1.1	T=	.934 /	9.9
LAT= 30.0	U=	.320 /	10.6	V=	2.655 /	4.5	W=	.018105 /	1.3	T=	1.950 /	10.2
LAT= 36.0	U=	.769 /	7.3	V=	1.343 /	5.8	W=	.022626 /	1.4	T=	2.479 /	10.4
LAT= 42.0	U=	1.709 /	6.9	V=	1.520 /	8.4	W=	.022783 /	1.6	T=	2.519 /	10.6
LAT= 48.0	U=	2.584 /	6.9	V=	2.658 /	9.4	W=	.019722 /	1.7	T=	2.199 /	10.8
LAT= 54.0	U=	3.202 /	7.0	V=	3.453 /	9.8	W=	.015086 /	2.0	T=	1.704 /	11.1
LAT= 60.0	U=	3.473 /	7.2	V=	3.704 /	10.1	W=	.010380 /	2.2	T=	1.198 /	11.3
LAT= 66.0	U=	3.275 /	7.3	V=	3.462 /	10.3	W=	.006247 /	2.5	T=	.737 /	11.7
LAT= 72.0	U=	2.885 /	7.6	V=	2.846 /	10.5	W=	.004169 /	2.9	T=	.496 /	0.0
LAT= 78.0	U=	2.095 /	7.5	V=	1.959 /	10.7	W=	.001723 /	2.0	T=	.188 /	11.1
LAT= 84.0	U=	.993 /	7.7	V=	.952 /	11.2	W=	.000480 /	.4	T=	.043 /	9.3

Z= 129.367 KM

LAT= 0.0	U=	1.700 /	0.0	V=	0.000 /	6.4	W=	.029730 /	6.4	T=	3.178 /	3.4
LAT= 6.0	U=	1.654 /	11.9	V=	1.846 /	2.7	W=	.026297 /	6.4	T=	2.827 /	3.4
LAT= 12.0	U=	1.523 /	11.7	V=	3.227 /	2.8	W=	.016976 /	6.5	T=	1.883 /	3.6
LAT= 18.0	U=	1.291 /	11.5	V=	3.824 /	2.9	W=	.004426 /	7.0	T=	.629 /	4.2
LAT= 24.0	U=	.906 /	11.2	V=	3.561 /	3.2	W=	.008794 /	.2	T=	.767 /	8.8
LAT= 30.0	U=	.347 /	10.4	V=	2.616 /	3.6	W=	.018849 /	.4	T=	1.766 /	9.3
LAT= 36.0	U=	.507 /	6.2	V=	1.457 /	4.6	W=	.024489 /	.6	T=	2.343 /	9.5
LAT= 42.0	U=	1.327 /	5.8	V=	1.251 /	7.0	W=	.025458 /	.7	T=	2.465 /	9.7
LAT= 48.0	U=	2.090 /	5.9	V=	2.105 /	8.2	W=	.022774 /	.9	T=	2.231 /	10.0
LAT= 54.0	U=	2.641 /	6.0	V=	2.798 /	8.7	W=	.018071 /	1.2	T=	1.798 /	10.2
LAT= 60.0	U=	2.905 /	6.2	V=	3.057 /	9.1	W=	.013008 /	1.4	T=	1.323 /	10.5
LAT= 66.0	U=	2.759 /	6.4	V=	2.899 /	9.4	W=	.008167 /	1.7	T=	.845 /	10.8
LAT= 72.0	U=	2.471 /	6.6	V=	2.417 /	9.6	W=	.005633 /	2.0	T=	.579 /	11.0
LAT= 78.0	U=	1.790 /	6.5	V=	1.683 /	9.8	W=	.002142 /	1.1	T=	.203 /	10.2
LAT= 84.0	U=	.848 /	6.8	V=	.844 /	10.4	W=	.000498 /	11.3	T=	.031 /	8.3

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 135.169 KM

LAT= 0.0	U=	1.642 /	11.2	V=	0.000 /	11.9	W=	.032358 /	5.7	T=	2.983 /	2.7
LAT= 6.0	U=	1.599 /	11.1	V=	1.685 /	1.9	W=	.028828 /	5.7	T=	2.676 /	2.7
LAT= 12.0	U=	1.480 /	10.9	V=	2.957 /	1.9	W=	.019195 /	5.8	T=	1.840 /	2.9
LAT= 18.0	U=	1.265 /	10.7	V=	3.534 /	2.1	W=	.006133 /	6.3	T=	.716 /	3.5
LAT= 24.0	U=	.902 /	10.4	V=	3.344 /	2.3	W=	.008348 /	11.2	T=	.632 /	7.8
LAT= 30.0	U=	.359 /	10.1	V=	2.543 /	2.7	W=	.019380 /	11.6	T=	1.575 /	8.5
LAT= 36.0	U=	.376 /	5.1	V=	1.517 /	3.5	W=	.026054 /	11.8	T=	2.178 /	8.8
LAT= 42.0	U=	1.133 /	4.8	V=	1.123 /	5.6	W=	.027829 /	0.0	T=	2.371 /	9.0
LAT= 48.0	U=	1.821 /	4.9	V=	1.745 /	7.1	W=	.025567 /	.3	T=	2.219 /	9.2
LAT= 54.0	U=	2.317 /	5.1	V=	2.358 /	7.7	W=	.020872 /	.5	T=	1.848 /	9.5
LAT= 60.0	U=	2.568 /	5.2	V=	2.625 /	8.1	W=	.015537 /	.8	T=	1.412 /	9.7
LAT= 66.0	U=	2.442 /	5.4	V=	2.531 /	8.4	W=	.010064 /	1.1	T=	.930 /	10.0
LAT= 72.0	U=	2.212 /	5.7	V=	2.145 /	8.7	W=	.007068 /	1.4	T=	.644 /	10.2
LAT= 78.0	U=	1.583 /	5.6	V=	1.518 /	8.9	W=	.002495 /	.4	T=	.214 /	9.5
LAT= 84.0	U=	.760 /	5.8	V=	.797 /	9.5	W=	.000486 /	10.0	T=	.019 /	7.3

Z= 141.772 KM

LAT= 0.0	U=	1.564 /	10.4	V=	0.000 /	11.1	W=	.034612 /	5.0	T=	2.745 /	2.0
LAT= 6.0	U=	1.526 /	10.3	V=	1.546 /	1.0	W=	.031004 /	5.0	T=	2.479 /	2.1
LAT= 12.0	U=	1.421 /	10.2	V=	2.724 /	1.1	W=	.021134 /	5.2	T=	1.750 /	2.3
LAT= 18.0	U=	1.219 /	10.0	V=	3.284 /	1.2	W=	.007730 /	5.7	T=	.765 /	2.9
LAT= 24.0	U=	.865 /	9.8	V=	3.156 /	1.5	W=	.008046 /	10.3	T=	.547 /	6.7
LAT= 30.0	U=	.335 /	9.5	V=	2.473 /	1.8	W=	.019718 /	10.9	T=	1.403 /	7.7
LAT= 36.0	U=	.349 /	4.2	V=	1.554 /	2.6	W=	.027207 /	11.2	T=	2.008 /	8.1
LAT= 42.0	U=	1.059 /	4.0	V=	1.066 /	4.4	W=	.029656 /	11.4	T=	2.251 /	8.3
LAT= 48.0	U=	1.691 /	4.1	V=	1.510 /	6.1	W=	.027792 /	11.7	T=	2.165 /	8.6
LAT= 54.0	U=	2.146 /	4.2	V=	2.073 /	6.8	W=	.023158 /	11.9	T=	1.852 /	8.8
LAT= 60.0	U=	2.390 /	4.4	V=	2.358 /	7.2	W=	.017650 /	.2	T=	1.454 /	9.1
LAT= 66.0	U=	2.273 /	4.6	V=	2.321 /	7.5	W=	.011684 /	.5	T=	.980 /	9.3
LAT= 72.0	U=	2.082 /	4.8	V=	2.010 /	7.8	W=	.008266 /	.8	T=	.684 /	9.5
LAT= 78.0	U=	1.470 /	4.7	V=	1.453 /	8.0	W=	.002776 /	11.8	T=	.223 /	8.8
LAT= 84.0	U=	.720 /	5.0	V=	.808 /	8.6	W=	.000461 /	8.9	T=	.010 /	7.0

Z= 149.425 KM

LAT= 0.0	U=	1.467 /	9.7	V=	0.000 /	10.4	W=	.036854 /	4.3	T=	2.501 /	1.4
LAT= 6.0	U=	1.434 /	9.6	V=	1.413 /	.3	W=	.033133 /	4.4	T=	2.271 /	1.5
LAT= 12.0	U=	1.338 /	9.5	V=	2.505 /	.3	W=	.022962 /	4.5	T=	1.640 /	1.7
LAT= 18.0	U=	1.143 /	9.4	V=	3.048 /	.5	W=	.009214 /	5.2	T=	.783 /	2.3
LAT= 24.0	U=	.796 /	9.2	V=	2.978 /	.7	W=	.008006 /	9.4	T=	.510 /	5.7
LAT= 30.0	U=	.290 /	8.9	V=	2.397 /	1.0	W=	.020032 /	10.2	T=	1.257 /	7.0
LAT= 36.0	U=	.346 /	3.5	V=	1.573 /	1.7	W=	.028121 /	10.5	T=	1.841 /	7.4
LAT= 42.0	U=	.997 /	3.4	V=	1.034 /	3.4	W=	.031105 /	10.8	T=	2.111 /	7.7
LAT= 48.0	U=	1.573 /	3.5	V=	1.329 /	5.1	W=	.029595 /	11.0	T=	2.074 /	7.9
LAT= 54.0	U=	1.990 /	3.6	V=	1.848 /	5.9	W=	.025054 /	11.3	T=	1.809 /	8.2
LAT= 60.0	U=	2.231 /	3.7	V=	2.152 /	6.4	W=	.019434 /	11.6	T=	1.449 /	8.4
LAT= 66.0	U=	2.130 /	3.8	V=	2.161 /	6.7	W=	.013062 /	11.9	T=	.993 /	8.7
LAT= 72.0	U=	1.973 /	4.0	V=	1.911 /	7.0	W=	.009256 /	.1	T=	.695 /	9.8
LAT= 78.0	U=	1.385 /	3.9	V=	1.413 /	7.3	W=	.003040 /	11.3	T=	.231 /	8.2
LAT= 84.0	U=	.694 /	4.2	V=	.829 /	7.9	W=	.000345 /	8.1	T=	.010 /	8.0

Z= 158.420 KM

LAT= 0.0	U=	1.352 /	9.0	V=	0.000 /	8.0	W=	.039426 /	3.7	T=	2.272 /	.8
LAT= 6.0	U=	1.320 /	9.0	V=	1.289 /	11.5	W=	.035534 /	3.7	T=	2.072 /	.9
LAT= 12.0	U=	1.228 /	8.9	V=	2.294 /	11.6	W=	.024922 /	3.9	T=	1.520 /	1.1
LAT= 18.0	U=	1.042 /	8.8	V=	2.818 /	11.7	W=	.010696 /	4.6	T=	.777 /	1.8
LAT= 24.0	U=	.716 /	8.7	V=	2.791 /	0.0	W=	.008256 /	8.5	T=	.503 /	4.9
LAT= 30.0	U=	.253 /	8.6	V=	2.299 /	.3	W=	.020539 /	9.5	T=	1.137 /	6.3
LAT= 36.0	U=	.305 /	2.8	V=	1.561 /	.9	W=	.029190 /	9.9	T=	1.682 /	6.8
LAT= 42.0	U=	.883 /	2.7	V=	.995 /	2.4	W=	.032694 /	10.1	T=	1.959 /	7.1
LAT= 48.0	U=	1.393 /	2.8	V=	1.154 /	4.2	W=	.031561 /	10.4	T=	1.957 /	7.3
LAT= 54.0	U=	1.773 /	2.9	V=	1.623 /	5.1	W=	.027152 /	10.7	T=	1.733 /	7.6
LAT= 60.0	U=	2.018 /	3.0	V=	1.931 /	5.6	W=	.021427 /	11.0	T=	1.409 /	7.8
LAT= 66.0	U=	1.948 /	3.1	V=	1.975 /	6.0	W=	.014604 /	11.3	T=	.978 /	8.0
LAT= 72.0	U=	1.824 /	3.3	V=	1.774 /	6.3	W=	.010338 /	11.5	T=	.685 /	8.2
LAT= 78.0	U=	1.280 /	3.2	V=	1.336 /	6.6	W=	.003343 /	10.8	T=	.236 /	7.7
LAT= 84.0	U=	.655 /	3.6	V=	.818 /	7.2	W=	.000075 /	7.8	T=	.021 /	8.2

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 181.310 KM

LAT= 0.0	U=	1.094	7.7	V=	0.000	1.5	W=	.045617	2.6	T=	1.910	11.9
LAT= 6.0	U=	1.063	7.7	V=	1.088	10.2	W=	.041255	2.6	T=	1.750	0.0
LAT= 12.0	U=	.978	7.7	V=	1.951	10.2	W=	.029454	2.8	T=	1.313	.3
LAT= 18.0	U=	.820	7.8	V=	2.427	10.4	W=	.013923	3.6	T=	.738	1.1
LAT= 24.0	U=	.567	8.0	V=	2.460	10.6	W=	.009696	6.9	T=	.511	3.6
LAT= 30.0	U=	.245	8.8	V=	2.101	10.9	W=	.022686	8.2	T=	.972	5.1
LAT= 36.0	U=	.296	.3	V=	1.507	11.5	W=	.032904	8.6	T=	1.436	5.7
LAT= 42.0	U=	.722	1.0	V=	.944	.6	W=	.037870	8.9	T=	1.708	6.1
LAT= 48.0	U=	1.123	1.3	V=	.871	2.5	W=	.037778	9.2	T=	1.753	6.3
LAT= 54.0	U=	1.434	1.5	V=	1.226	3.6	W=	.033726	9.5	T=	1.594	6.6
LAT= 60.0	U=	1.672	1.6	V=	1.534	4.2	W=	.027655	9.8	T=	1.331	6.8
LAT= 66.0	U=	1.651	1.7	V=	1.627	4.6	W=	.019459	10.1	T=	.945	7.0
LAT= 72.0	U=	1.568	1.9	V=	1.491	4.9	W=	.013823	10.2	T=	.663	7.1
LAT= 78.0	U=	1.086	1.8	V=	1.134	5.2	W=	.004288	9.9	T=	.244	6.8
LAT= 84.0	U=	.562	2.2	V=	.716	5.8	W=	.000609	.5	T=	.048	7.5

Z= 209.865 KM

LAT= 0.0	U=	.894	6.6	V=	0.000	2.0	W=	.051216	1.7	T=	1.722	11.4
LAT= 6.0	U=	.867	6.7	V=	.988	9.1	W=	.046408	1.8	T=	1.583	11.5
LAT= 12.0	U=	.793	6.7	V=	1.781	9.1	W=	.033507	2.0	T=	1.204	11.8
LAT= 18.0	U=	.666	7.0	V=	2.240	9.3	W=	.016849	2.8	T=	.717	.7
LAT= 24.0	U=	.479	7.5	V=	2.312	9.5	W=	.011795	5.8	T=	.526	2.9
LAT= 30.0	U=	.313	8.9	V=	2.034	9.8	W=	.025496	7.2	T=	.909	4.5
LAT= 36.0	U=	.452	10.9	V=	1.524	10.3	W=	.037408	7.7	T=	1.333	5.1
LAT= 42.0	U=	.811	11.6	V=	.990	11.3	W=	.043959	8.1	T=	1.608	5.4
LAT= 48.0	U=	1.167	0.0	V=	.801	1.0	W=	.044902	8.4	T=	1.686	5.7
LAT= 54.0	U=	1.435	.2	V=	1.077	2.4	W=	.041105	8.7	T=	1.566	5.9
LAT= 60.0	U=	1.653	.4	V=	1.396	3.0	W=	.034514	9.0	T=	1.333	6.1
LAT= 66.0	U=	1.639	.6	V=	1.531	3.4	W=	.024766	9.2	T=	.964	6.3
LAT= 72.0	U=	1.566	.7	V=	1.430	3.7	W=	.017747	9.3	T=	.678	6.4
LAT= 78.0	U=	1.064	.6	V=	1.085	4.0	W=	.005517	9.2	T=	.256	6.3
LAT= 84.0	U=	.541	1.0	V=	.664	4.6	W=	.001161	11.2	T=	.063	6.9

Z= 240.988 KM

LAT= 0.0	U=	.820	5.8	V=	0.000	2.0	W=	.055311	1.1	T=	1.661	11.2
LAT= 6.0	U=	.796	5.9	V=	.973	8.3	W=	.050193	1.2	T=	1.529	11.2
LAT= 12.0	U=	.724	6.0	V=	1.762	8.4	W=	.036519	1.5	T=	1.172	11.6
LAT= 18.0	U=	.607	6.4	V=	2.233	8.6	W=	.019052	2.3	T=	.718	.4
LAT= 24.0	U=	.458	7.1	V=	2.332	8.8	W=	.013583	5.1	T=	.541	2.6
LAT= 30.0	U=	.395	8.7	V=	2.091	9.1	W=	.027862	6.6	T=	.900	4.1
LAT= 36.0	U=	.607	10.2	V=	1.612	9.6	W=	.040988	7.1	T=	1.318	4.8
LAT= 42.0	U=	.983	10.9	V=	1.078	10.5	W=	.048542	7.5	T=	1.602	5.1
LAT= 48.0	U=	1.348	11.2	V=	.841	.2	W=	.049997	7.9	T=	1.700	5.4
LAT= 54.0	U=	1.609	11.5	V=	1.095	1.6	W=	.046196	8.2	T=	1.597	5.6
LAT= 60.0	U=	1.818	11.7	V=	1.444	2.3	W=	.039113	8.5	T=	1.372	5.8
LAT= 66.0	U=	1.791	11.9	V=	1.615	2.7	W=	.028196	8.8	T=	1.001	6.0
LAT= 72.0	U=	1.714	0.0	V=	1.525	3.0	W=	.020241	8.9	T=	.706	6.0
LAT= 78.0	U=	1.154	11.9	V=	1.158	3.2	W=	.006353	8.9	T=	.270	6.0
LAT= 84.0	U=	.587	.3	V=	.698	3.8	W=	.001943	10.3	T=	.073	6.6

Z= 272.831 KM

LAT= 0.0	U=	.828	5.3	V=	0.000	2.0	W=	.056351	.7	T=	1.658	11.0
LAT= 6.0	U=	.802	5.4	V=	.993	7.9	W=	.053034	.8	T=	1.528	11.1
LAT= 12.0	U=	.725	5.6	V=	1.803	8.0	W=	.038822	1.1	T=	1.176	11.5
LAT= 18.0	U=	.605	6.1	V=	2.297	8.2	W=	.020674	1.9	T=	.728	.3
LAT= 24.0	U=	.472	7.0	V=	2.421	8.4	W=	.014757	4.6	T=	.556	2.4
LAT= 30.0	U=	.466	8.6	V=	2.195	8.8	W=	.029499	6.2	T=	.911	4.0
LAT= 36.0	U=	.728	9.8	V=	1.714	9.2	W=	.043344	6.8	T=	1.332	4.6
LAT= 42.0	U=	1.136	10.5	V=	1.163	10.1	W=	.051283	7.2	T=	1.628	5.0
LAT= 48.0	U=	1.524	10.8	V=	.897	11.7	W=	.052735	7.6	T=	1.735	5.3
LAT= 54.0	U=	1.793	11.1	V=	1.151	1.2	W=	.048730	7.9	T=	1.638	5.5
LAT= 60.0	U=	2.000	11.4	V=	1.532	1.9	W=	.041306	8.2	T=	1.413	5.7
LAT= 66.0	U=	1.958	11.5	V=	1.730	2.3	W=	.029733	8.5	T=	1.034	5.9
LAT= 72.0	U=	1.871	11.6	V=	1.642	2.6	W=	.021270	8.6	T=	.730	5.9
LAT= 78.0	U=	1.251	11.6	V=	1.246	2.9	W=	.006593	8.7	T=	.281	5.9
LAT= 84.0	U=	.641	11.9	V=	.750	3.4	W=	.002693	10.0	T=	.078	6.4

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 304.762 KM

LAT= 0.0	U=	.859 /	5.1	V=	0.000 /	2.0	W=	.060582 /	.4	T=	1.681 /	11.0
LAT= 6.0	U=	.831 /	5.1	V=	1.018 /	7.7	W=	.055131 /	.5	T=	1.549 /	11.1
LAT= 12.0	U=	.750 /	5.4	V=	1.853 /	7.8	W=	.040532 /	.8	T=	1.195 /	11.4
LAT= 18.0	U=	.623 /	5.9	V=	2.372 /	8.0	W=	.021786 /	1.6	T=	.744 /	.3
LAT= 24.0	U=	.495 /	6.9	V=	2.515 /	8.2	W=	.015303 /	4.3	T=	.570 /	2.4
LAT= 30.0	U=	.521 /	8.5	V=	2.294 /	8.6	W=	.030330 /	5.9	T=	.928 /	3.9
LAT= 36.0	U=	.817 /	9.7	V=	1.804 /	9.0	W=	.044463 /	6.5	T=	1.358 /	4.6
LAT= 42.0	U=	1.251 /	10.3	V=	1.230 /	9.9	W=	.052321 /	6.9	T=	1.662 /	4.9
LAT= 48.0	U=	1.660 /	10.6	V=	.942 /	11.5	W=	.053418 /	7.3	T=	1.776 /	5.2
LAT= 54.0	U=	1.938 /	10.9	V=	1.204 /	1.0	W=	.049096 /	7.7	T=	1.680 /	5.4
LAT= 60.0	U=	2.146 /	11.2	V=	1.609 /	1.8	W=	.041495 /	8.0	T=	1.453 /	5.6
LAT= 66.0	U=	2.091 /	11.3	V=	1.829 /	2.2	W=	.029753 /	8.3	T=	1.064 /	5.8
LAT= 72.0	U=	1.994 /	11.4	V=	1.740 /	2.4	W=	.021186 /	8.4	T=	.752 /	5.8
LAT= 78.0	U=	1.329 /	11.4	V=	1.318 /	2.7	W=	.006345 /	8.5	T=	.291 /	5.9
LAT= 84.0	U=	.683 /	11.7	V=	.791 /	3.2	W=	.003210 /	9.9	T=	.082 /	6.3

Z= 336.754 KM

LAT= 0.0	U=	.894 /	4.9	V=	0.000 /	2.0	W=	.062278 /	.1	T=	1.714 /	11.0
LAT= 6.0	U=	.864 /	5.0	V=	1.041 /	7.6	W=	.056725 /	.2	T=	1.581 /	11.1
LAT= 12.0	U=	.777 /	5.3	V=	1.901 /	7.7	W=	.041817 /	.5	T=	1.220 /	11.4
LAT= 18.0	U=	.644 /	5.8	V=	2.441 /	7.9	W=	.022527 /	1.3	T=	.761 /	.3
LAT= 24.0	U=	.518 /	6.8	V=	2.597 /	8.1	W=	.015330 /	4.0	T=	.534 /	2.4
LAT= 30.0	U=	.561 /	8.4	V=	2.377 /	8.4	W=	.030456 /	5.6	T=	.950 /	3.9
LAT= 36.0	U=	.879 /	9.6	V=	1.874 /	8.9	W=	.044548 /	6.3	T=	1.389 /	4.5
LAT= 42.0	U=	1.333 /	10.2	V=	1.281 /	9.8	W=	.052000 /	6.7	T=	1.701 /	4.9
LAT= 48.0	U=	1.758 /	10.5	V=	.978 /	11.4	W=	.052503 /	7.1	T=	1.819 /	5.2
LAT= 54.0	U=	2.044 /	10.8	V=	1.247 /	.9	W=	.047788 /	7.5	T=	1.723 /	5.4
LAT= 60.0	U=	2.254 /	11.1	V=	1.670 /	1.7	W=	.040126 /	7.8	T=	1.491 /	5.6
LAT= 66.0	U=	2.192 /	11.2	V=	1.904 /	2.1	W=	.028601 /	8.1	T=	1.092 /	5.8
LAT= 72.0	U=	2.088 /	11.3	V=	1.816 /	2.3	W=	.020278 /	8.2	T=	.772 /	5.8
LAT= 78.0	U=	1.386 /	11.3	V=	1.372 /	2.6	W=	.005742 /	8.4	T=	.299 /	5.8
LAT= 84.0	U=	.715 /	11.6	V=	.822 /	3.1	W=	.003496 /	9.9	T=	.085 /	6.2

Z= 368.753 KM

LAT= 0.0	U=	.923 /	4.9	V=	0.000 /	2.0	W=	.063641 /	11.9	T=	1.751 /	11.0
LAT= 6.0	U=	.892 /	4.9	V=	1.063 /	7.5	W=	.058007 /	0.0	T=	1.615 /	11.1
LAT= 12.0	U=	.801 /	5.2	V=	1.944 /	7.6	W=	.042845 /	.3	T=	1.246 /	11.4
LAT= 18.0	U=	.664 /	5.7	V=	2.503 /	7.8	W=	.023064 /	1.0	T=	.778 /	.3
LAT= 24.0	U=	.536 /	6.8	V=	2.667 /	8.1	W=	.014973 /	3.8	T=	.598 /	2.3
LAT= 30.0	U=	.590 /	8.4	V=	2.445 /	8.4	W=	.030012 /	5.4	T=	.971 /	3.9
LAT= 36.0	U=	.923 /	9.5	V=	1.930 /	8.9	W=	.043823 /	6.0	T=	1.421 /	4.5
LAT= 42.0	U=	1.392 /	10.1	V=	1.320 /	9.7	W=	.050642 /	6.5	T=	1.740 /	4.9
LAT= 48.0	U=	1.830 /	10.5	V=	1.006 /	11.3	W=	.050379 /	6.9	T=	1.861 /	5.2
LAT= 54.0	U=	2.122 /	10.8	V=	1.281 /	.9	W=	.045198 /	7.3	T=	1.764 /	5.4
LAT= 60.0	U=	2.335 /	11.0	V=	1.720 /	1.6	W=	.037547 /	7.6	T=	1.527 /	5.6
LAT= 66.0	U=	2.267 /	11.2	V=	1.964 /	2.0	W=	.026523 /	7.9	T=	1.119 /	5.8
LAT= 72.0	U=	2.158 /	11.3	V=	1.873 /	2.3	W=	.018728 /	8.0	T=	.791 /	5.8
LAT= 78.0	U=	1.431 /	11.3	V=	1.413 /	2.5	W=	.004875 /	8.3	T=	.306 /	5.8
LAT= 84.0	U=	.739 /	11.6	V=	.846 /	3.1	W=	.003593 /	9.9	T=	.088 /	6.2

Z= 400.753 KM

LAT= 0.0	U=	.947 /	4.9	V=	0.000 /	2.0	W=	.064661 /	11.6	T=	1.788 /	11.0
LAT= 6.0	U=	.915 /	4.9	V=	1.085 /	7.5	W=	.058982 /	11.7	T=	1.649 /	11.1
LAT= 12.0	U=	.821 /	5.2	V=	1.984 /	7.6	W=	.043671 /	0.0	T=	1.273 /	11.4
LAT= 18.0	U=	.681 /	5.7	V=	2.557 /	7.8	W=	.023519 /	.8	T=	.795 /	.3
LAT= 24.0	U=	.552 /	6.8	V=	2.726 /	8.0	W=	.014350 /	3.5	T=	.611 /	2.3
LAT= 30.0	U=	.611 /	8.3	V=	2.504 /	8.4	W=	.029080 /	5.2	T=	.992 /	3.9
LAT= 36.0	U=	.953 /	9.5	V=	1.978 /	8.8	W=	.042292 /	5.8	T=	1.452 /	4.5
LAT= 42.0	U=	1.435 /	10.1	V=	1.352 /	9.7	W=	.048426 /	6.2	T=	1.777 /	4.9
LAT= 48.0	U=	1.883 /	10.5	V=	1.029 /	11.3	W=	.047272 /	6.6	T=	1.902 /	5.2
LAT= 54.0	U=	2.182 /	10.7	V=	1.311 /	.8	W=	.041547 /	7.1	T=	1.802 /	5.4
LAT= 60.0	U=	2.399 /	11.0	V=	1.761 /	1.6	W=	.033946 /	7.4	T=	1.561 /	5.6
LAT= 66.0	U=	2.328 /	11.2	V=	2.012 /	2.0	W=	.023643 /	7.7	T=	1.143 /	5.8
LAT= 72.0	U=	2.214 /	11.3	V=	1.921 /	2.2	W=	.016610 /	7.8	T=	.808 /	5.8
LAT= 78.0	U=	1.467 /	11.3	V=	1.449 /	2.5	W=	.003799 /	8.1	T=	.314 /	5.8
LAT= 84.0	U=	.759 /	11.6	V=	.867 /	3.0	W=	.003532 /	10.0	T=	.089 /	6.2

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, At Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 81.010 KM

LAT= 0.0	U=	.128	/ 1.0	V=	0.000	/ 7.5	W=	.001597	/ 7.7	T=	.141	/ 5.4
LAT= 6.0	U=	.134	/ 1.0	V=	.276	/ 3.8	W=	.001308	/ 7.7	T=	.115	/ 5.4
LAT= 12.0	U=	.138	/ .9	V=	.446	/ 3.8	W=	.000554	/ 7.7	T=	.048	/ 5.5
LAT= 18.0	U=	.107	/ 1.0	V=	.450	/ 3.9	W=	.000394	/ 1.6	T=	.036	/ 11.2
LAT= 24.0	U=	.017	/ 2.2	V=	.290	/ 4.0	W=	.001221	/ 1.6	T=	.108	/ 11.3
LAT= 30.0	U=	.144	/ 6.7	V=	.038	/ 5.6	W=	.001711	/ 1.7	T=	.151	/ 11.4
LAT= 36.0	U=	.330	/ 6.8	V=	.267	/ 9.7	W=	.001805	/ 1.7	T=	.159	/ 11.4
LAT= 42.0	U=	.503	/ 6.8	V=	.503	/ 9.8	W=	.001582	/ 1.7	T=	.139	/ 11.4
LAT= 48.0	U=	.620	/ 6.9	V=	.648	/ 9.9	W=	.001191	/ 1.7	T=	.104	/ 11.4
LAT= 54.0	U=	.663	/ 6.9	V=	.692	/ 9.9	W=	.000781	/ 1.7	T=	.069	/ 11.4
LAT= 60.0	U=	.633	/ 7.0	V=	.651	/ 10.0	W=	.000441	/ 1.7	T=	.039	/ 11.4
LAT= 66.0	U=	.546	/ 7.0	V=	.553	/ 10.0	W=	.000220	/ 1.7	T=	.019	/ 11.4
LAT= 72.0	U=	.430	/ 7.1	V=	.423	/ 10.1	W=	.000101	/ 1.9	T=	.009	/ 11.7
LAT= 78.0	U=	.278	/ 7.1	V=	.280	/ 10.1	W=	.000018	/ .7	T=	.001	/ 10.3
LAT= 84.0	U=	.139	/ 7.1	V=	.139	/ 10.1	W=	.000004	/ 11.2	T=	0.000	/ 8.4

Z= 84.009 KM

LAT= 0.0	U=	.159	/ .4	V=	0.000	/ 7.5	W=	.001935	/ 6.5	T=	.161	/ 4.4
LAT= 6.0	U=	.167	/ .4	V=	.348	/ 3.3	W=	.001594	/ 6.5	T=	.132	/ 4.4
LAT= 12.0	U=	.173	/ .4	V=	.562	/ 3.3	W=	.000697	/ 6.5	T=	.056	/ 4.4
LAT= 18.0	U=	.134	/ .4	V=	.567	/ 3.3	W=	.000447	/ .4	T=	.041	/ 10.3
LAT= 24.0	U=	.019	/ 1.6	V=	.365	/ 3.4	W=	.001476	/ .5	T=	.128	/ 10.3
LAT= 30.0	U=	.182	/ 6.2	V=	.038	/ 4.7	W=	.002123	/ .5	T=	.181	/ 10.3
LAT= 36.0	U=	.420	/ 6.3	V=	.338	/ 9.2	W=	.002294	/ .5	T=	.194	/ 10.3
LAT= 42.0	U=	.638	/ 6.3	V=	.638	/ 9.3	W=	.002063	/ .6	T=	.174	/ 10.3
LAT= 48.0	U=	.788	/ 6.3	V=	.823	/ 9.3	W=	.001599	/ .6	T=	.134	/ 10.3
LAT= 54.0	U=	.843	/ 6.4	V=	.879	/ 9.4	W=	.001084	/ .6	T=	.090	/ 10.3
LAT= 60.0	U=	.804	/ 6.4	V=	.827	/ 9.4	W=	.000636	/ .6	T=	.053	/ 10.4
LAT= 66.0	U=	.694	/ 6.4	V=	.702	/ 9.4	W=	.000336	/ .7	T=	.028	/ 10.4
LAT= 72.0	U=	.545	/ 6.4	V=	.535	/ 9.4	W=	.000161	/ .8	T=	.013	/ 10.5
LAT= 78.0	U=	.352	/ 6.4	V=	.355	/ 9.4	W=	.000044	/ .8	T=	.003	/ 10.0
LAT= 84.0	U=	.176	/ 6.4	V=	.178	/ 9.4	W=	.000002	/ 10.9	T=	0.000	/ 8.2

Z= 87.062 KM

LAT= 0.0	U=	.180	/ 11.7	V=	0.000	/ 7.5	W=	.002974	/ 5.4	T=	.223	/ 3.0
LAT= 6.0	U=	.189	/ 11.8	V=	.392	/ 2.7	W=	.002446	/ 5.4	T=	.183	/ 3.0
LAT= 12.0	U=	.195	/ 11.8	V=	.638	/ 2.7	W=	.001058	/ 5.4	T=	.077	/ 3.0
LAT= 18.0	U=	.151	/ 11.8	V=	.651	/ 2.7	W=	.000695	/ 11.4	T=	.057	/ 9.1
LAT= 24.0	U=	.019	/ .1	V=	.429	/ 2.7	W=	.002246	/ 11.4	T=	.176	/ 9.1
LAT= 30.0	U=	.207	/ 5.7	V=	.050	/ 2.2	W=	.003190	/ 11.4	T=	.250	/ 9.1
LAT= 36.0	U=	.484	/ 5.7	V=	.378	/ 8.7	W=	.003403	/ 11.5	T=	.268	/ 9.1
LAT= 42.0	U=	.748	/ 5.6	V=	.742	/ 8.6	W=	.003019	/ 11.5	T=	.239	/ 9.2
LAT= 48.0	U=	.940	/ 5.6	V=	.979	/ 8.6	W=	.002307	/ 11.5	T=	.185	/ 9.2
LAT= 54.0	U=	1.023	/ 5.6	V=	1.065	/ 8.6	W=	.001538	/ 11.6	T=	.124	/ 9.3
LAT= 60.0	U=	.990	/ 5.5	V=	1.020	/ 8.5	W=	.000686	/ 11.7	T=	.072	/ 9.3
LAT= 66.0	U=	.870	/ 5.5	V=	.879	/ 8.5	W=	.000452	/ 11.8	T=	.038	/ 9.4
LAT= 72.0	U=	.689	/ 5.5	V=	.679	/ 8.5	W=	.000219	/ 11.8	T=	.018	/ 9.5
LAT= 78.0	U=	.455	/ 5.4	V=	.455	/ 8.5	W=	.000049	/ .7	T=	.004	/ 9.8
LAT= 84.0	U=	.226	/ 5.5	V=	.226	/ 8.5	W=	.000003	/ 1.0	T=	0.000	/ 9.7

Z= 90.176 KM

LAT= 0.0	U=	.195	/ 10.8	V=	0.000	/ 7.5	W=	.004811	/ 4.6	T=	.367	/ 2.0
LAT= 6.0	U=	.204	/ 10.8	V=	.425	/ 1.8	W=	.003936	/ 4.6	T=	.299	/ 2.0
LAT= 12.0	U=	.210	/ 10.8	V=	.697	/ 1.8	W=	.001657	/ 4.5	T=	.123	/ 1.9
LAT= 18.0	U=	.163	/ 10.8	V=	.720	/ 1.7	W=	.001183	/ 10.8	T=	.097	/ 6.3
LAT= 24.0	U=	.019	/ 10.5	V=	.487	/ 1.7	W=	.003606	/ 10.7	T=	.283	/ 8.2
LAT= 30.0	U=	.230	/ 4.8	V=	.076	/ 1.0	W=	.004989	/ 10.7	T=	.389	/ 8.1
LAT= 36.0	U=	.543	/ 4.7	V=	.411	/ 7.8	W=	.005185	/ 10.6	T=	.405	/ 8.1
LAT= 42.0	U=	.852	/ 4.7	V=	.837	/ 7.7	W=	.004469	/ 10.6	T=	.349	/ 8.1
LAT= 48.0	U=	1.086	/ 4.6	V=	1.108	/ 7.6	W=	.003305	/ 10.6	T=	.259	/ 8.2
LAT= 54.0	U=	1.201	/ 4.6	V=	1.251	/ 7.6	W=	.002119	/ 10.6	T=	.166	/ 8.2
LAT= 60.0	U=	1.181	/ 4.6	V=	1.217	/ 7.6	W=	.001166	/ 10.6	T=	.091	/ 8.2
LAT= 66.0	U=	1.053	/ 4.5	V=	1.062	/ 7.5	W=	.000542	/ 10.6	T=	.043	/ 8.3
LAT= 72.0	U=	.841	/ 4.5	V=	.830	/ 7.5	W=	.000262	/ 10.5	T=	.020	/ 8.2
LAT= 78.0	U=	.565	/ 4.5	V=	.561	/ 7.5	W=	.000009	/ 7.8	T=	.001	/ 9.9
LAT= 84.0	U=	.279	/ 4.5	V=	.279	/ 7.5	W=	.000014	/ 1.3	T=	.001	/ 10.2

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 93.363 KM

LAT= 0.0	U=	.253	/ 9.4	V=	0.000	/ 7.5	W=	.006948	/ 3.9	T=	.553	/ 1.3
LAT= 6.0	U=	.270	/ 9.4	V=	.622	/ .4	W=	.005693	/ 3.9	T=	.452	/ 1.3
LAT= 12.0	U=	.286	/ 9.4	V=	.995	/ .4	W=	.002430	/ 3.8	T=	.190	/ 1.1
LAT= 18.0	U=	.219	/ 9.3	V=	.980	/ .4	W=	.001658	/ 10.3	T=	.139	/ 7.7
LAT= 24.0	U=	.004	/ 7.9	V=	.593	/ .5	W=	.005111	/ 10.1	T=	.414	/ 7.5
LAT= 30.0	U=	.352	/ 3.4	V=	.033	/ 4.4	W=	.007084	/ 10.0	T=	.570	/ 7.4
LAT= 36.0	U=	.767	/ 3.4	V=	.651	/ 6.4	W=	.007370	/ 10.0	T=	.589	/ 7.4
LAT= 42.0	U=	1.132	/ 3.4	V=	1.148	/ 6.4	W=	.006367	/ 9.9	T=	.505	/ 7.3
LAT= 48.0	U=	1.358	/ 3.5	V=	1.422	/ 6.5	W=	.004729	/ 9.9	T=	.372	/ 7.3
LAT= 54.0	U=	1.414	/ 3.5	V=	1.471	/ 6.6	W=	.003057	/ 9.8	T=	.238	/ 7.3
LAT= 60.0	U=	1.310	/ 3.5	V=	1.344	/ 6.5	W=	.001711	/ 9.7	T=	.131	/ 7.2
LAT= 66.0	U=	1.105	/ 3.6	V=	1.111	/ 6.6	W=	.000805	/ 9.7	T=	.060	/ 7.2
LAT= 72.0	U=	.837	/ 3.6	V=	.826	/ 6.6	W=	.000412	/ 9.6	T=	.030	/ 7.1
LAT= 78.0	U=	.535	/ 3.6	V=	.535	/ 6.6	W=	.000069	/ 7.2	T=	.003	/ 4.1
LAT= 84.0	U=	.269	/ 3.6	V=	.261	/ 6.7	W=	.000018	/ 1.1	T=	.002	/ 9.8

Z= 96.638 KM

LAT= 0.0	U=	.393	/ 8.2	V=	0.000	/ 9.2	W=	.008532	/ 3.2	T=	.715	/ .6
LAT= 6.0	U=	.426	/ 8.2	V=	1.033	/ 11.2	W=	.007090	/ 3.2	T=	.591	/ .6
LAT= 12.0	U=	.457	/ 8.2	V=	1.622	/ 11.2	W=	.003280	/ 3.2	T=	.267	/ .5
LAT= 18.0	U=	.345	/ 8.1	V=	1.536	/ 11.3	W=	.001595	/ 9.3	T=	.142	/ 7.0
LAT= 24.0	U=	.030	/ 4.7	V=	.850	/ 11.3	W=	.006002	/ 9.3	T=	.491	/ 6.8
LAT= 30.0	U=	.567	/ 2.4	V=	.144	/ 5.1	W=	.008807	/ 9.3	T=	.698	/ 6.8
LAT= 36.0	U=	1.175	/ 2.4	V=	1.087	/ 5.3	W=	.009595	/ 9.3	T=	.737	/ 6.8
LAT= 42.0	U=	1.650	/ 2.4	V=	1.732	/ 5.4	W=	.008662	/ 9.3	T=	.644	/ 6.8
LAT= 48.0	U=	1.877	/ 2.5	V=	1.990	/ 5.5	W=	.006714	/ 9.4	T=	.483	/ 6.8
LAT= 54.0	U=	1.839	/ 2.5	V=	1.918	/ 5.5	W=	.004518	/ 9.5	T=	.315	/ 6.9
LAT= 60.0	U=	1.598	/ 2.5	V=	1.636	/ 5.5	W=	.002629	/ 9.6	T=	.178	/ 7.0
LAT= 66.0	U=	1.260	/ 2.5	V=	1.264	/ 5.5	W=	.001302	/ 9.9	T=	.086	/ 7.2
LAT= 72.0	U=	.900	/ 2.4	V=	.885	/ 5.4	W=	.000694	/ 10.1	T=	.044	/ 7.3
LAT= 78.0	U=	.525	/ 2.4	V=	.546	/ 5.3	W=	.000146	/ 10.7	T=	.008	/ 7.7
LAT= 84.0	U=	.274	/ 2.4	V=	.268	/ 5.2	W=	.000050	/ 8.6	T=	.002	/ 6.2

Z= 100.017 KM

LAT= 0.0	U=	.569	/ 7.4	V=	0.000	/ 8.3	W=	.010158	/ 2.3	T=	.898	/ 11.7
LAT= 6.0	U=	.595	/ 7.4	V=	1.238	/ 10.5	W=	.008523	/ 2.3	T=	.755	/ 11.7
LAT= 12.0	U=	.613	/ 7.4	V=	2.018	/ 10.5	W=	.004161	/ 2.4	T=	.372	/ 11.8
LAT= 18.0	U=	.485	/ 7.3	V=	2.059	/ 10.5	W=	.001620	/ 7.8	T=	.124	/ 5.9
LAT= 24.0	U=	.117	/ 6.1	V=	1.361	/ 10.5	W=	.006958	/ 8.3	T=	.587	/ 5.9
LAT= 30.0	U=	.600	/ 1.9	V=	.165	/ 10.4	W=	.010614	/ 8.4	T=	.896	/ 5.9
LAT= 36.0	U=	1.425	/ 1.8	V=	1.162	/ 4.7	W=	.011926	/ 8.5	T=	1.000	/ 6.0
LAT= 42.0	U=	2.211	/ 1.8	V=	2.275	/ 4.7	W=	.011075	/ 8.7	T=	.920	/ 6.1
LAT= 48.0	U=	2.766	/ 1.8	V=	2.961	/ 4.8	W=	.008812	/ 8.9	T=	.724	/ 6.3
LAT= 54.0	U=	2.984	/ 1.8	V=	3.170	/ 4.8	W=	.006078	/ 9.1	T=	.495	/ 6.4
LAT= 60.0	U=	2.854	/ 1.8	V=	2.972	/ 4.8	W=	.003635	/ 9.4	T=	.293	/ 6.7
LAT= 66.0	U=	2.460	/ 1.9	V=	2.500	/ 4.9	W=	.001899	/ 9.9	T=	.150	/ 7.1
LAT= 72.0	U=	1.913	/ 1.9	V=	1.885	/ 4.9	W=	.001080	/ 10.3	T=	.084	/ 7.4
LAT= 78.0	U=	1.232	/ 1.9	V=	1.231	/ 4.9	W=	.000433	/ 11.0	T=	.029	/ 8.0
LAT= 84.0	U=	.616	/ 1.9	V=	.601	/ 4.9	W=	.000161	/ 8.2	T=	.010	/ 5.2

Z= 103.521 KM

LAT= 0.0	U=	.863	/ 6.6	V=	0.000	/ 1.3	W=	.012540	/ 1.3	T=	1.265	/ 10.8
LAT= 6.0	U=	.892	/ 6.6	V=	1.714	/ 9.6	W=	.010532	/ 1.3	T=	1.069	/ 10.8
LAT= 12.0	U=	.907	/ 6.6	V=	2.836	/ 9.7	W=	.005178	/ 1.4	T=	.542	/ 10.9
LAT= 18.0	U=	.736	/ 6.5	V=	2.984	/ 9.7	W=	.001968	/ 6.7	T=	.151	/ 4.5
LAT= 24.0	U=	.241	/ 5.6	V=	2.103	/ 9.8	W=	.008483	/ 7.2	T=	.802	/ 4.8
LAT= 30.0	U=	.732	/ 1.2	V=	.474	/ 10.1	W=	.012932	/ 7.4	T=	1.248	/ 4.9
LAT= 36.0	U=	1.908	/ 1.0	V=	1.467	/ 3.7	W=	.014485	/ 7.6	T=	1.411	/ 5.1
LAT= 42.0	U=	3.101	/ .9	V=	3.187	/ 3.8	W=	.013377	/ 7.7	T=	1.310	/ 5.2
LAT= 48.0	U=	4.027	/ .9	V=	4.351	/ 3.9	W=	.010556	/ 7.9	T=	1.041	/ 5.4
LAT= 54.0	U=	4.483	/ 1.0	V=	4.813	/ 3.9	W=	.007196	/ 8.2	T=	.714	/ 5.6
LAT= 60.0	U=	4.412	/ 1.0	V=	4.631	/ 4.0	W=	.004241	/ 8.6	T=	.425	/ 5.9
LAT= 66.0	U=	3.885	/ 1.1	V=	3.975	/ 4.1	W=	.002180	/ 9.1	T=	.220	/ 6.4
LAT= 72.0	U=	3.084	/ 1.1	V=	3.048	/ 4.1	W=	.001263	/ 9.7	T=	.128	/ 6.9
LAT= 78.0	U=	2.034	/ 1.2	V=	2.014	/ 4.2	W=	.000580	/ 10.5	T=	.053	/ 7.5
LAT= 84.0	U=	1.010	/ 1.2	V=	.986	/ 4.3	W=	.000182	/ 8.0	T=	.016	/ 4.9

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 107.177 KM

LAT= 0.0	U=	1.290 /	5.6	V=	0.000 /	12.0	W=	.015355 /	12.0	T=	1.861 /	9.5
LAT= 6.0	U=	1.320 /	5.6	V=	2.384 /	8.5	W=	.012928 /	12.0	T=	1.579 /	9.5
LAT= 12.0	U=	1.323 /	5.5	V=	3.968 /	8.6	W=	.006466 /	.2	T=	.829 /	9.7
LAT= 18.0	U=	1.091 /	5.3	V=	4.232 /	8.6	W=	.002147 /	5.4	T=	.183 /	2.6
LAT= 24.0	U=	.439 /	4.8	V=	3.111 /	8.8	W=	.009901 /	6.0	T=	1.100 /	3.5
LAT= 30.0	U=	.803 /	.1	V=	1.029 /	9.5	W=	.015128 /	6.1	T=	1.738 /	3.6
LAT= 36.0	U=	2.309 /	11.8	V=	1.707 /	2.1	W=	.016851 /	6.3	T=	1.973 /	3.8
LAT= 42.0	U=	3.852 /	11.7	V=	3.965 /	2.5	W=	.015418 /	6.5	T=	1.835 /	4.0
LAT= 48.0	U=	5.060 /	11.8	V=	5.516 /	2.6	W=	.012031 /	6.7	T=	1.456 /	4.2
LAT= 54.0	U=	5.671 /	11.8	V=	6.148 /	2.8	W=	.008104 /	7.0	T=	1.001 /	4.5
LAT= 60.0	U=	5.607 /	11.9	V=	5.930 /	2.9	W=	.004724 /	7.4	T=	.601 /	4.8
LAT= 66.0	U=	4.936 /	12.0	V=	5.092 /	3.0	W=	.002394 /	8.0	T=	.314 /	5.4
LAT= 72.0	U=	3.929 /	.1	V=	3.897 /	3.1	W=	.001398 /	8.6	T=	.190 /	6.0
LAT= 78.0	U=	2.611 /	.1	V=	2.563 /	3.2	W=	.000642 /	9.4	T=	.085 /	6.4
LAT= 84.0	U=	1.291 /	.1	V=	1.237 /	3.3	W=	.000123 /	7.4	T=	.017 /	4.5

Z= 111.019 KM

LAT= 0.0	U=	1.690 /	4.4	V=	0.000 /	10.6	W=	.018283 /	10.6	T=	2.604 /	7.9
LAT= 6.0	U=	1.694 /	4.3	V=	2.769 /	7.2	W=	.015494 /	10.6	T=	2.229 /	8.0
LAT= 12.0	U=	1.636 /	4.2	V=	4.662 /	7.3	W=	.008070 /	10.7	T=	1.227 /	8.1
LAT= 18.0	U=	1.344 /	4.0	V=	5.104 /	7.4	W=	.001812 /	3.8	T=	.190 /	12.0
LAT= 24.0	U=	.653 /	3.5	V=	4.014 /	7.6	W=	.010662 /	4.6	T=	1.357 /	1.8
LAT= 30.0	U=	.668 /	11.0	V=	1.867 /	8.2	W=	.016643 /	4.7	T=	2.210 /	2.1
LAT= 36.0	U=	2.198 /	10.5	V=	1.506 /	12.0	W=	.018637 /	4.9	T=	2.532 /	2.2
LAT= 42.0	U=	3.819 /	10.4	V=	3.854 /	1.0	W=	.017073 /	5.1	T=	2.367 /	2.5
LAT= 48.0	U=	5.136 /	10.5	V=	5.618 /	1.3	W=	.013333 /	5.3	T=	1.892 /	2.7
LAT= 54.0	U=	5.862 /	10.5	V=	6.420 /	1.5	W=	.009011 /	5.6	T=	1.318 /	3.1
LAT= 60.0	U=	5.892 /	10.6	V=	6.294 /	1.6	W=	.005313 /	6.0	T=	.814 /	3.5
LAT= 66.0	U=	5.245 /	10.7	V=	5.473 /	1.8	W=	.002751 /	6.6	T=	.444 /	4.1
LAT= 72.0	U=	4.250 /	10.9	V=	4.226 /	1.9	W=	.001663 /	7.2	T=	.284 /	4.6
LAT= 78.0	U=	2.869 /	11.0	V=	2.785 /	2.0	W=	.000729 /	7.6	T=	.124 /	4.7
LAT= 84.0	U=	1.402 /	11.0	V=	1.321 /	2.2	W=	.000122 /	5.2	T=	.021 /	2.8

Z= 115.091 KM

LAT= 0.0	U=	1.868 /	3.1	V=	0.000 /	9.3	W=	.021415 /	9.3	T=	3.304 /	6.4
LAT= 6.0	U=	1.840 /	3.1	V=	2.734 /	6.0	W=	.018336 /	9.3	T=	2.854 /	6.4
LAT= 12.0	U=	1.716 /	2.9	V=	4.661 /	6.0	W=	.010119 /	9.4	T=	1.655 /	6.6
LAT= 18.0	U=	1.394 /	2.7	V=	5.246 /	6.2	W=	.001005 /	1.7	T=	.214 /	8.9
LAT= 24.0	U=	.766 /	2.2	V=	4.397 /	6.4	W=	.010804 /	3.3	T=	1.456 /	.3
LAT= 30.0	U=	.494 /	10.4	V=	2.523 /	7.0	W=	.017710 /	3.4	T=	2.498 /	.5
LAT= 36.0	U=	1.759 /	9.3	V=	1.311 /	9.6	W=	.020293 /	3.6	T=	2.923 /	.7
LAT= 42.0	U=	3.189 /	9.2	V=	3.083 /	11.4	W=	.018940 /	3.8	T=	2.775 /	1.0
LAT= 48.0	U=	4.411 /	9.2	V=	4.786 /	11.9	W=	.015095 /	4.0	T=	2.256 /	1.2
LAT= 54.0	U=	5.157 /	9.3	V=	5.679 /	.2	W=	.010464 /	4.3	T=	1.609 /	1.6
LAT= 60.0	U=	5.310 /	9.5	V=	5.721 /	.4	W=	.006379 /	4.6	T=	1.028 /	2.0
LAT= 66.0	U=	4.821 /	9.6	V=	5.068 /	.6	W=	.003411 /	5.1	T=	.583 /	2.5
LAT= 72.0	U=	4.030 /	9.8	V=	4.004 /	.8	W=	.002128 /	5.6	T=	.384 /	2.9
LAT= 78.0	U=	2.786 /	9.9	V=	2.671 /	.9	W=	.000952 /	5.7	T=	.168 /	2.8
LAT= 84.0	U=	1.349 /	9.9	V=	1.264 /	1.1	W=	.000126 /	3.7	T=	.036 /	.8

Z= 119.451 KM

LAT= 0.0	U=	1.864 /	2.0	V=	0.000 /	8.2	W=	.024913 /	8.1	T=	3.767 /	5.1
LAT= 6.0	U=	1.814 /	1.9	V=	2.431 /	4.8	W=	.021578 /	8.2	T=	3.288 /	5.1
LAT= 12.0	U=	1.656 /	1.8	V=	4.259 /	4.9	W=	.012636 /	8.3	T=	2.004 /	5.3
LAT= 18.0	U=	1.339 /	1.5	V=	4.903 /	5.0	W=	.001202 /	9.9	T=	.371 /	6.5
LAT= 24.0	U=	.809 /	1.0	V=	4.314 /	5.3	W=	.010662 /	2.1	T=	1.378 /	10.9
LAT= 30.0	U=	.374 /	10.1	V=	2.810 /	5.8	W=	.018780 /	2.3	T=	2.553 /	11.2
LAT= 36.0	U=	1.277 /	8.3	V=	1.339 /	7.6	W=	.022326 /	2.4	T=	3.090 /	11.4
LAT= 42.0	U=	2.443 /	8.1	V=	2.298 /	9.9	W=	.021534 /	2.6	T=	3.018 /	11.6
LAT= 48.0	U=	3.489 /	8.1	V=	3.739 /	10.6	W=	.017810 /	2.8	T=	2.533 /	11.9
LAT= 54.0	U=	4.186 /	8.2	V=	4.614 /	11.0	W=	.012913 /	3.1	T=	1.877 /	.2
LAT= 60.0	U=	4.417 /	8.4	V=	4.784 /	11.3	W=	.008337 /	3.4	T=	1.254 /	.6
LAT= 66.0	U=	4.095 /	8.6	V=	4.355 /	11.5	W=	.004698 /	3.8	T=	.739 /	1.0
LAT= 72.0	U=	3.541 /	8.8	V=	3.499 /	11.7	W=	.003023 /	4.2	T=	.490 /	1.3
LAT= 78.0	U=	2.504 /	8.8	V=	2.369 /	11.9	W=	.001348 /	4.1	T=	.210 /	1.1
LAT= 84.0	U=	1.204 /	8.9	V=	1.135 /	.3	W=	.000344 /	2.5	T=	.047 /	11.3

Table B8. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 124.175 KM

LAT= 0.0	U=	1.802	1.0	V=	0.000	7.2	W=	.028605	7.2	T=	3.901	4.1
LAT= 6.0	U=	1.744	.9	V=	2.174	3.8	W=	.025041	7.2	T=	3.439	4.1
LAT= 12.0	U=	1.577	.7	V=	3.778	3.9	W=	.015426	7.3	T=	2.192	4.3
LAT= 18.0	U=	1.288	.4	V=	4.425	4.0	W=	.002800	8.2	T=	.569	5.1
LAT= 24.0	U=	.838	12.0	V=	4.027	4.2	W=	.010408	1.1	T=	1.187	9.8
LAT= 30.0	U=	.322	10.2	V=	2.833	4.7	W=	.019926	1.3	T=	2.414	10.1
LAT= 36.0	U=	.873	7.4	V=	1.530	6.0	W=	.024703	1.5	T=	3.049	10.4
LAT= 42.0	U=	1.830	7.1	V=	1.759	8.5	W=	.024736	1.6	T=	3.088	10.6
LAT= 48.0	U=	2.723	7.1	V=	2.900	9.5	W=	.021322	1.9	T=	2.696	10.8
LAT= 54.0	U=	3.354	7.2	V=	3.691	9.9	W=	.016248	2.1	T=	2.092	11.1
LAT= 60.0	U=	3.617	7.4	V=	3.918	10.3	W=	.011163	2.4	T=	1.476	11.4
LAT= 66.0	U=	3.411	7.6	V=	3.636	10.6	W=	.006697	2.8	T=	.913	11.8
LAT= 72.0	U=	3.029	7.8	V=	2.973	10.8	W=	.004480	3.1	T=	.612	12.0
LAT= 78.0	U=	2.177	7.9	V=	2.042	11.0	W=	.001945	2.8	T=	.251	11.8
LAT= 84.0	U=	1.041	8.0	V=	1.000	11.5	W=	.000459	1.3	T=	.045	10.0

Z= 129.367 KM

LAT= 0.0	U=	1.730	.1	V=	0.000	6.4	W=	.032067	6.4	T=	3.774	3.3
LAT= 6.0	U=	1.672	12.0	V=	1.924	2.8	W=	.028327	6.4	T=	3.355	3.4
LAT= 12.0	U=	1.513	11.8	V=	3.362	2.9	W=	.018180	6.6	T=	2.223	3.5
LAT= 18.0	U=	1.255	11.5	V=	3.982	3.1	W=	.004677	7.3	T=	.724	4.2
LAT= 24.0	U=	.861	11.2	V=	3.706	3.3	W=	.010057	.1	T=	.968	8.8
LAT= 30.0	U=	.322	10.2	V=	2.733	3.8	W=	.020940	.4	T=	2.172	9.3
LAT= 36.0	U=	.588	6.4	V=	1.586	4.9	W=	.027033	.6	T=	2.871	9.5
LAT= 42.0	U=	1.420	6.0	V=	1.457	7.1	W=	.028033	.8	T=	3.021	9.8
LAT= 48.0	U=	2.203	6.1	V=	2.320	8.3	W=	.025078	1.1	T=	2.745	10.0
LAT= 54.0	U=	2.773	6.2	V=	3.012	8.9	W=	.019951	1.4	T=	2.227	10.3
LAT= 60.0	U=	3.035	6.4	V=	3.254	9.3	W=	.014435	1.7	T=	1.651	10.6
LAT= 66.0	U=	2.891	6.6	V=	3.067	9.6	W=	.009127	2.0	T=	1.067	10.9
LAT= 72.0	U=	2.612	6.8	V=	2.547	9.9	W=	.006275	2.2	T=	.724	11.1
LAT= 78.0	U=	1.891	6.9	V=	1.777	10.1	W=	.002615	1.9	T=	.284	10.8
LAT= 84.0	U=	.902	7.1	V=	.898	10.7	W=	.000498	.1	T=	.032	9.0

Z= 135.169 KM

LAT= 0.0	U=	1.651	11.3	V=	0.000	11.9	W=	.034945	5.7	T=	3.512	2.7
LAT= 6.0	U=	1.600	11.2	V=	1.729	1.9	W=	.031102	5.7	T=	3.148	2.7
LAT= 12.0	U=	1.459	11.0	V=	3.032	2.0	W=	.020619	5.9	T=	2.157	2.9
LAT= 18.0	U=	1.227	10.7	V=	3.622	2.2	W=	.006554	6.6	T=	.825	3.5
LAT= 24.0	U=	.862	10.5	V=	3.426	2.4	W=	.009656	11.2	T=	.779	7.8
LAT= 30.0	U=	.327	9.9	V=	2.609	2.8	W=	.021617	11.7	T=	1.910	8.5
LAT= 36.0	U=	.445	5.3	V=	1.594	3.8	W=	.028897	11.9	T=	2.639	8.8
LAT= 42.0	U=	1.215	5.0	V=	1.286	5.9	W=	.030842	.2	T=	2.880	9.0
LAT= 48.0	U=	1.928	5.1	V=	1.949	7.3	W=	.028409	.4	T=	2.710	9.3
LAT= 54.0	U=	2.451	5.2	V=	2.557	7.9	W=	.023349	.7	T=	2.282	9.6
LAT= 60.0	U=	2.703	5.4	V=	2.814	8.3	W=	.017546	1.0	T=	1.760	9.9
LAT= 66.0	U=	2.579	5.6	V=	2.698	8.6	W=	.011519	1.4	T=	1.175	10.2
LAT= 72.0	U=	2.355	5.9	V=	2.283	8.9	W=	.008027	1.6	T=	.807	10.3
LAT= 78.0	U=	1.701	5.9	V=	1.622	9.2	W=	.003185	1.2	T=	.307	10.0
LAT= 84.0	U=	.818	6.2	V=	.856	9.8	W=	.000482	10.5	T=	.017	8.1

Z= 141.772 KM

LAT= 0.0	U=	1.570	10.5	V=	0.000	11.1	W=	.037274	5.0	T=	3.209	2.0
LAT= 6.0	U=	1.526	10.5	V=	1.570	1.1	W=	.033365	5.1	T=	2.897	2.1
LAT= 12.0	U=	1.406	10.3	V=	2.767	1.2	W=	.022675	5.2	T=	2.043	2.3
LAT= 18.0	U=	1.191	10.0	V=	3.334	1.3	W=	.008290	5.9	T=	.882	2.9
LAT= 24.0	U=	.835	9.8	V=	3.201	1.6	W=	.009329	10.3	T=	.649	6.8
LAT= 30.0	U=	.309	9.3	V=	2.504	2.0	W=	.021951	11.0	T=	1.672	7.8
LAT= 36.0	U=	.412	4.4	V=	1.592	2.9	W=	.030134	11.2	T=	2.400	8.1
LAT= 42.0	U=	1.142	4.2	V=	1.187	4.7	W=	.032866	11.5	T=	2.703	8.4
LAT= 48.0	U=	1.805	4.3	V=	1.686	6.3	W=	.030929	11.8	T=	2.617	8.7
LAT= 54.0	U=	2.294	4.4	V=	2.262	7.0	W=	.026015	.1	T=	2.267	8.9
LAT= 60.0	U=	2.541	4.6	V=	2.548	7.4	W=	.020061	.5	T=	1.798	9.2
LAT= 66.0	U=	2.425	4.8	V=	2.500	7.8	W=	.013505	.8	T=	1.230	9.5
LAT= 72.0	U=	2.236	5.0	V=	2.167	8.1	W=	.009464	1.0	T=	.852	9.6
LAT= 78.0	U=	1.607	5.0	V=	1.578	8.3	W=	.003621	.5	T=	.321	9.3
LAT= 84.0	U=	.783	5.3	V=	.873	8.9	W=	.000491	9.1	T=	.009	8.2

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 149.425 KM

LAT= 0.0	U=	1.483	/	9.8	V=	0.000	/	10.5	W=	.039392	/	4.4	T=	2.913 / 1.4
LAT= 6.0	U=	1.446	/	9.7	V=	1.430	/	.3	W=	.035407	/	4.4	T=	2.646 / 1.5
LAT= 12.0	U=	1.340	/	9.6	V=	2.535	/	.4	W=	.024509	/	4.6	T=	1.909 / 1.7
LAT= 18.0	U=	1.134	/	9.4	V=	3.084	/	.6	W=	.009874	/	5.3	T=	.903 / 2.3
LAT= 24.0	U=	.783	/	9.2	V=	3.006	/	.8	W=	.009175	/	9.4	T=	.582 / 5.8
LAT= 30.0	U=	.275	/	8.7	V=	2.411	/	1.2	W=	.022104	/	10.3	T=	1.472 / 7.1
LAT= 36.0	U=	.408	/	3.9	V=	1.584	/	2.0	W=	.030927	/	10.6	T=	2.173 / 7.5
LAT= 42.0	U=	1.084	/	3.6	V=	1.112	/	3.7	W=	.034280	/	10.9	T=	2.506 / 7.7
LAT= 48.0	U=	1.693	/	3.7	V=	1.484	/	5.3	W=	.032797	/	11.2	T=	2.482 / 8.0
LAT= 54.0	U=	2.150	/	3.8	V=	2.031	/	6.1	W=	.028068	/	11.5	T=	2.193 / 8.3
LAT= 60.0	U=	2.398	/	3.9	V=	2.344	/	6.6	W=	.022035	/	11.9	T=	1.775 / 8.6
LAT= 66.0	U=	2.298	/	4.1	V=	2.354	/	7.0	W=	.015075	/	.2	T=	1.235 / 8.8
LAT= 72.0	U=	2.143	/	4.2	V=	2.090	/	7.3	W=	.010577	/	.4	T=	.859 / 8.9
LAT= 78.0	U=	1.540	/	4.2	V=	1.562	/	7.6	W=	.003992	/	12.0	T=	.327 / 8.7
LAT= 84.0	U=	.764	/	4.5	V=	.911	/	8.2	W=	.000344	/	8.2	T=	.013 / 9.0

Z= 158.420 KM

LAT= 0.0	U=	1.388	/	9.1	V=	0.000	/	7.7	W=	.041609	/	3.8	T=	2.645 / .8
LAT= 6.0	U=	1.355	/	9.1	V=	1.304	/	11.6	W=	.037518	/	3.8	T=	2.412 / .9
LAT= 12.0	U=	1.255	/	9.0	V=	2.322	/	11.7	W=	.026345	/	4.0	T=	1.771 / 1.1
LAT= 18.0	U=	1.057	/	8.8	V=	2.849	/	11.8	W=	.011401	/	4.7	T=	.900 / 1.8
LAT= 24.0	U=	.722	/	8.7	V=	2.817	/	12.0	W=	.009231	/	8.5	T=	.558 / 4.9
LAT= 30.0	U=	.247	/	8.3	V=	2.309	/	.4	W=	.022313	/	9.6	T=	1.312 / 6.3
LAT= 36.0	U=	.356	/	3.2	V=	1.557	/	1.1	W=	.031689	/	9.9	T=	1.965 / 6.8
LAT= 42.0	U=	.962	/	3.0	V=	1.031	/	2.7	W=	.035629	/	10.3	T=	2.307 / 7.1
LAT= 48.0	U=	1.508	/	3.0	V=	1.277	/	4.5	W=	.034629	/	10.6	T=	2.322 / 7.4
LAT= 54.0	U=	1.933	/	3.1	V=	1.790	/	5.3	W=	.030141	/	10.9	T=	2.083 / 7.7
LAT= 60.0	U=	2.189	/	3.3	V=	2.121	/	5.8	W=	.024049	/	11.2	T=	1.709 / 7.9
LAT= 66.0	U=	2.123	/	3.4	V=	2.174	/	6.2	W=	.016663	/	11.5	T=	1.204 / 8.2
LAT= 72.0	U=	2.001	/	3.5	V=	1.965	/	6.5	W=	.011672	/	11.7	T=	.841 / 8.3
LAT= 78.0	U=	1.442	/	3.5	V=	1.500	/	6.9	W=	.004371	/	11.4	T=	.328 / 8.0
LAT= 84.0	U=	.733	/	3.8	V=	.920	/	7.5	W=	.000070	/	3.4	T=	.030 / 8.6

Z= 181.310 KM

LAT= 0.0	U=	1.164	/	7.8	V=	0.000	/	8.2	W=	.046510	/	2.6	T=	2.210 / 11.8
LAT= 6.0	U=	1.133	/	7.8	V=	1.091	/	10.2	W=	.042132	/	2.7	T=	2.027 / 11.9
LAT= 12.0	U=	1.041	/	7.8	V=	1.959	/	10.3	W=	.030219	/	2.9	T=	1.524 / .2
LAT= 18.0	U=	.869	/	7.8	V=	2.440	/	10.4	W=	.014451	/	3.6	T=	.853 / .9
LAT= 24.0	U=	.594	/	7.9	V=	2.473	/	10.6	W=	.010175	/	7.0	T=	.560 / 3.5
LAT= 30.0	U=	.230	/	8.5	V=	2.106	/	11.0	W=	.023594	/	8.2	T=	1.095 / 5.1
LAT= 36.0	U=	.273	/	.9	V=	1.494	/	11.5	W=	.034363	/	8.7	T=	1.643 / 5.7
LAT= 42.0	U=	.737	/	1.4	V=	.918	/	.7	W=	.039813	/	9.0	T=	1.972 / 6.0
LAT= 48.0	U=	1.165	/	1.6	V=	.892	/	2.7	W=	.040105	/	9.3	T=	2.040 / 6.3
LAT= 54.0	U=	1.524	/	1.7	V=	1.308	/	3.9	W=	.036324	/	9.6	T=	1.876 / 6.5
LAT= 60.0	U=	1.785	/	1.9	V=	1.655	/	4.4	W=	.030116	/	9.9	T=	1.576 / 6.8
LAT= 66.0	U=	1.782	/	2.0	V=	1.768	/	4.8	W=	.021536	/	10.2	T=	1.135 / 7.0
LAT= 72.0	U=	1.703	/	2.1	V=	1.634	/	5.1	W=	.015148	/	10.3	T=	.795 / 7.0
LAT= 78.0	U=	1.212	/	2.1	V=	1.259	/	5.5	W=	.005584	/	10.2	T=	.324 / 6.9
LAT= 84.0	U=	.623	/	2.5	V=	.807	/	6.2	W=	.000862	/	.8	T=	.062 / 7.7

Z= 209.865 KM

LAT= 0.0	U=	.923	/	6.7	V=	0.000	/	7.5	W=	.050916	/	1.7	T=	1.939 / 11.2
LAT= 6.0	U=	.697	/	6.8	V=	.954	/	9.1	W=	.046174	/	1.8	T=	1.784 / 11.3
LAT= 12.0	U=	.822	/	6.8	V=	1.724	/	9.2	W=	.033401	/	2.0	T=	1.361 / 11.6
LAT= 18.0	U=	.689	/	7.0	V=	2.176	/	9.3	W=	.016840	/	2.8	T=	.809 / .4
LAT= 24.0	U=	.486	/	7.4	V=	2.252	/	9.5	W=	.011744	/	5.8	T=	.570 / 2.7
LAT= 30.0	U=	.278	/	8.6	V=	1.983	/	9.8	W=	.025496	/	7.2	T=	.995 / 4.3
LAT= 36.0	U=	.384	/	11.0	V=	1.477	/	10.3	W=	.037686	/	7.7	T=	1.480 / 4.9
LAT= 42.0	U=	.746	/	11.8	V=	.930	/	11.2	W=	.044752	/	8.1	T=	1.804 / 5.3
LAT= 48.0	U=	1.099	/	.1	V=	.726	/	1.1	W=	.046417	/	8.4	T=	1.907 / 5.6
LAT= 54.0	U=	1.394	/	.4	V=	1.036	/	2.6	W=	.043407	/	8.7	T=	1.794 / 5.8
LAT= 60.0	U=	1.634	/	.6	V=	1.388	/	3.2	W=	.037089	/	9.0	T=	1.539 / 6.0
LAT= 66.0	U=	1.656	/	.7	V=	1.547	/	3.6	W=	.027226	/	9.3	T=	1.132 / 6.2
LAT= 72.0	U=	1.597	/	.8	V=	1.456	/	3.9	W=	.019466	/	9.3	T=	.798 / 6.2
LAT= 78.0	U=	1.117	/	.8	V=	1.112	/	4.2	W=	.007440	/	9.3	T=	.330 / 6.1
LAT= 84.0	U=	.556	/	1.3	V=	.683	/	4.9	W=	.001473	/	11.0	T=	.078 / 6.8

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 240.988 KM

LAT= 0.0	U=	.766	/ 5.9	V=	0.000	/ 7.5	W=	.054048	/ 1.0	T=	1.810	/ 10.9
LAT= 6.0	U=	.745	/ 5.9	V=	.899	/ 8.3	W=	.048973	/ 1.1	T=	1.668	/ 11.0
LAT= 12.0	U=	.691	/ 6.1	V=	1.631	/ 8.4	W=	.035467	/ 1.4	T=	1.284	/ 11.3
LAT= 18.0	U=	.573	/ 6.4	V=	2.071	/ 8.5	W=	.018329	/ 2.2	T=	.789	/ .2
LAT= 24.0	U=	.426	/ 7.0	V=	2.170	/ 8.7	W=	.012998	/ 5.0	T=	.576	/ 2.3
LAT= 30.0	U=	.334	/ 8.5	V=	1.950	/ 9.0	W=	.026953	/ 6.5	T=	.958	/ 3.9
LAT= 36.0	U=	.508	/ 10.2	V=	1.501	/ 9.5	W=	.040088	/ 7.1	T=	1.418	/ 4.5
LAT= 42.0	U=	.857	/ 10.9	V=	.982	/ 10.3	W=	.048234	/ 7.5	T=	1.747	/ 4.9
LAT= 48.0	U=	1.193	/ 11.2	V=	.710	/ 12.0	W=	.050769	/ 7.8	T=	1.872	/ 5.2
LAT= 54.0	U=	1.460	/ 11.5	V=	.960	/ 1.6	W=	.048246	/ 8.1	T=	1.786	/ 5.4
LAT= 60.0	U=	1.682	/ 11.8	V=	1.327	/ 2.4	W=	.041830	/ 8.4	T=	1.550	/ 5.6
LAT= 66.0	U=	1.704	/ 11.9	V=	1.523	/ 2.8	W=	.031023	/ 8.7	T=	1.152	/ 5.8
LAT= 72.0	U=	1.651	/ 12.0	V=	1.457	/ 3.0	W=	.022343	/ 8.7	T=	.817	/ 5.8
LAT= 78.0	U=	1.149	/ 12.0	V=	1.113	/ 3.3	W=	.008848	/ 8.8	T=	.342	/ 5.7
LAT= 84.0	U=	.565	/ .4	V=	.662	/ 4.0	W=	.002455	/ 10.0	T=	.087	/ 6.2

Z= 272.801 KM

LAT= 0.0	U=	.707	/ 5.3	V=	0.000	/ 7.5	W=	.056221	/ .6	T=	1.755	/ 10.8
LAT= 6.0	U=	.688	/ 5.3	V=	.893	/ 7.8	W=	.050931	/ .7	T=	1.620	/ 10.9
LAT= 12.0	U=	.627	/ 5.5	V=	1.619	/ 7.9	W=	.036937	/ .9	T=	1.253	/ 11.2
LAT= 18.0	U=	.527	/ 5.9	V=	2.062	/ 8.0	W=	.019353	/ 1.8	T=	.781	/ .1
LAT= 24.0	U=	.407	/ 6.8	V=	2.176	/ 8.3	W=	.013760	/ 4.5	T=	.580	/ 2.1
LAT= 30.0	U=	.381	/ 8.4	V=	1.981	/ 8.6	W=	.027872	/ 6.0	T=	.945	/ 3.7
LAT= 36.0	U=	.602	/ 9.7	V=	1.554	/ 9.0	W=	.041539	/ 6.6	T=	1.399	/ 4.4
LAT= 42.0	U=	.971	/ 10.4	V=	1.039	/ 9.8	W=	.050158	/ 7.1	T=	1.732	/ 4.7
LAT= 48.0	U=	1.317	/ 10.8	V=	.735	/ 11.5	W=	.052970	/ 7.4	T=	1.869	/ 5.0
LAT= 54.0	U=	1.579	/ 11.0	V=	.961	/ 1.1	W=	.050594	/ 7.8	T=	1.795	/ 5.2
LAT= 60.0	U=	1.793	/ 11.3	V=	1.351	/ 1.9	W=	.044124	/ 8.1	T=	1.567	/ 5.4
LAT= 66.0	U=	1.806	/ 11.5	V=	1.575	/ 2.3	W=	.032780	/ 8.3	T=	1.170	/ 5.6
LAT= 72.0	U=	1.752	/ 11.5	V=	1.520	/ 2.5	W=	.023573	/ 8.4	T=	.832	/ 5.6
LAT= 78.0	U=	1.216	/ 11.5	V=	1.161	/ 2.8	W=	.009443	/ 8.5	T=	.351	/ 5.5
LAT= 84.0	U=	.602	/ 11.9	V=	.683	/ 3.5	W=	.003337	/ 9.5	T=	.092	/ 6.0

Z= 304.752 KM

LAT= 0.0	U=	.702	/ 4.9	V=	0.000	/ 7.5	W=	.057567	/ .3	T=	1.737	/ 10.7
LAT= 6.0	U=	.681	/ 5.0	V=	.900	/ 7.5	W=	.052179	/ .3	T=	1.604	/ 10.8
LAT= 12.0	U=	.618	/ 5.2	V=	1.636	/ 7.6	W=	.037936	/ .6	T=	1.244	/ 11.1
LAT= 18.0	U=	.517	/ 5.7	V=	2.091	/ 7.8	W=	.020020	/ 1.4	T=	.780	/ 12.0
LAT= 24.0	U=	.409	/ 6.6	V=	2.218	/ 8.0	W=	.014027	/ 4.2	T=	.584	/ 2.0
LAT= 30.0	U=	.421	/ 8.2	V=	2.033	/ 8.3	W=	.028201	/ 5.7	T=	.944	/ 3.6
LAT= 36.0	U=	.673	/ 9.5	V=	1.611	/ 8.8	W=	.042040	/ 6.3	T=	1.396	/ 4.3
LAT= 42.0	U=	1.061	/ 10.1	V=	1.088	/ 9.6	W=	.050645	/ 6.8	T=	1.733	/ 4.7
LAT= 48.0	U=	1.422	/ 10.5	V=	.764	/ 11.2	W=	.053302	/ 7.2	T=	1.876	/ 4.9
LAT= 54.0	U=	1.688	/ 10.8	V=	.981	/ .8	W=	.050854	/ 7.6	T=	1.807	/ 5.1
LAT= 60.0	U=	1.898	/ 11.0	V=	1.391	/ 1.6	W=	.044412	/ 7.8	T=	1.580	/ 5.3
LAT= 66.0	U=	1.903	/ 11.2	V=	1.636	/ 2.0	W=	.032948	/ 8.1	T=	1.182	/ 5.5
LAT= 72.0	U=	1.844	/ 11.3	V=	1.587	/ 2.3	W=	.023584	/ 8.2	T=	.841	/ 5.5
LAT= 78.0	U=	1.276	/ 11.3	V=	1.210	/ 2.5	W=	.009402	/ 8.3	T=	.356	/ 5.4
LAT= 84.0	U=	.635	/ 11.6	V=	.709	/ 3.2	W=	.003911	/ 9.4	T=	.095	/ 5.8

Z= 336.754 KM

LAT= 0.0	U=	.715	/ 4.7	V=	0.000	/ 7.5	W=	.058119	/ 12.0	T=	1.738	/ 10.7
LAT= 6.0	U=	.693	/ 4.8	V=	.912	/ 7.3	W=	.052722	/ .1	T=	1.606	/ 10.8
LAT= 12.0	U=	.627	/ 5.0	V=	1.660	/ 7.4	W=	.038425	/ .4	T=	1.246	/ 11.1
LAT= 18.0	U=	.523	/ 5.5	V=	2.127	/ 7.6	W=	.020318	/ 1.2	T=	.784	/ 12.0
LAT= 24.0	U=	.418	/ 6.5	V=	2.264	/ 7.9	W=	.013808	/ 3.9	T=	.589	/ 2.0
LAT= 30.0	U=	.451	/ 8.2	V=	2.085	/ 8.2	W=	.027879	/ 5.5	T=	.947	/ 3.6
LAT= 36.0	U=	.722	/ 9.4	V=	1.659	/ 8.6	W=	.041550	/ 6.1	T=	1.402	/ 4.2
LAT= 42.0	U=	1.127	/ 10.0	V=	1.126	/ 9.4	W=	.049789	/ 6.6	T=	1.741	/ 4.6
LAT= 48.0	U=	1.499	/ 10.4	V=	.786	/ 11.0	W=	.051975	/ 7.0	T=	1.888	/ 4.9
LAT= 54.0	U=	1.770	/ 10.6	V=	1.002	/ .7	W=	.049329	/ 7.4	T=	1.822	/ 5.1
LAT= 60.0	U=	1.979	/ 10.9	V=	1.426	/ 1.5	W=	.043013	/ 7.7	T=	1.595	/ 5.3
LAT= 66.0	U=	.979	/ 11.1	V=	1.688	/ 1.9	W=	.031818	/ 7.9	T=	1.195	/ 5.4
LAT= 72.0	U=	1.914	/ 11.1	V=	1.641	/ 2.2	W=	.022661	/ 8.0	T=	.850	/ 5.4
LAT= 78.0	U=	1.321	/ 11.2	V=	1.249	/ 2.4	W=	.008910	/ 8.2	T=	.361	/ 5.4
LAT= 84.0	U=	.660	/ 11.5	V=	.729	/ 3.0	W=	.004200	/ 9.3	T=	.098	/ 5.8

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 388.753 KM

LAT= 0.0	U=	.729	/ 4.6	V=	0.000	/ 7.5	W=	.058000	/ 11.8	T=	1.749	/ 10.6
LAT= 6.0	U=	.707	/ 4.7	V=	.923	/ 7.2	W=	.052659	/ 11.9	T=	1.616	/ 10.7
LAT= 12.0	U=	.638	/ 4.9	V=	1.681	/ 7.4	W=	.038470	/ .1	T=	1.254	/ 11.1
LAT= 18.0	U=	.531	/ 5.5	V=	2.159	/ 7.5	W=	.020320	/ .9	T=	.791	/ 12.0
LAT= 24.0	U=	.429	/ 6.5	V=	2.304	/ 7.8	W=	.013173	/ 3.6	T=	.594	/ 2.0
LAT= 30.0	U=	.472	/ 8.1	V=	2.127	/ 8.1	W=	.026951	/ 5.3	T=	.955	/ 3.6
LAT= 36.0	U=	.755	/ 9.3	V=	1.695	/ 8.6	W=	.040172	/ 5.9	T=	1.413	/ 4.2
LAT= 42.0	U=	1.172	/ 9.9	V=	1.152	/ 9.3	W=	.047722	/ 6.4	T=	1.756	/ 4.6
LAT= 48.0	U=	1.553	/ 10.3	V=	.803	/ 10.9	W=	.049266	/ 6.8	T=	1.937	/ 4.9
LAT= 54.0	U=	1.827	/ 10.6	V=	1.019	/ .6	W=	.046339	/ 7.2	T=	1.840	/ 5.1
LAT= 60.0	U=	2.036	/ 10.8	V=	1.455	/ 1.4	W=	.040227	/ 7.5	T=	1.612	/ 5.3
LAT= 66.0	U=	2.032	/ 11.0	V=	1.726	/ 1.8	W=	.029620	/ 7.8	T=	1.208	/ 5.4
LAT= 72.0	U=	1.965	/ 11.1	V=	1.680	/ 2.1	W=	.021001	/ 7.9	T=	.859	/ 5.4
LAT= 78.0	U=	1.354	/ 11.1	V=	1.278	/ 2.3	W=	.008092	/ 8.1	T=	.365	/ 5.4
LAT= 84.0	U=	.677	/ 11.4	V=	.742	/ 2.9	W=	.004263	/ 9.3	T=	.099	/ 5.7

Z= 400.753 KM

LAT= 0.0	U=	.741	/ 4.5	V=	0.000	/ 7.5	W=	.057347	/ 11.6	T=	1.765	/ 10.6
LAT= 6.0	U=	.719	/ 4.6	V=	.932	/ 7.2	W=	.052119	/ 11.6	T=	1.631	/ 10.7
LAT= 12.0	U=	.648	/ 4.9	V=	1.701	/ 7.3	W=	.038190	/ 11.9	T=	1.265	/ 11.1
LAT= 18.0	U=	.540	/ 5.4	V=	2.187	/ 7.5	W=	.020159	/ .6	T=	.798	/ 11.9
LAT= 24.0	U=	.437	/ 6.5	V=	2.337	/ 7.7	W=	.012239	/ 3.4	T=	.601	/ 2.0
LAT= 30.0	U=	.485	/ 8.1	V=	2.160	/ 8.1	W=	.025517	/ 5.1	T=	.365	/ 3.6
LAT= 36.0	U=	.777	/ 9.3	V=	1.723	/ 8.5	W=	.038067	/ 5.7	T=	1.427	/ 4.2
LAT= 42.0	U=	1.201	/ 9.9	V=	1.173	/ 9.3	W=	.044744	/ 6.2	T=	1.774	/ 4.6
LAT= 48.0	U=	1.588	/ 10.2	V=	.815	/ 10.9	W=	.045458	/ 6.6	T=	1.925	/ 4.9
LAT= 54.0	U=	1.867	/ 10.5	V=	1.034	/ .6	W=	.042168	/ 7.0	T=	1.859	/ 5.1
LAT= 60.0	U=	2.077	/ 10.8	V=	1.476	/ 1.4	W=	.036312	/ 7.4	T=	1.629	/ 5.3
LAT= 66.0	U=	2.070	/ 11.0	V=	1.755	/ 1.8	W=	.026543	/ 7.7	T=	1.221	/ 5.4
LAT= 72.0	U=	2.000	/ 11.0	V=	1.708	/ 2.0	W=	.018733	/ 7.8	T=	.869	/ 5.4
LAT= 78.0	U=	1.377	/ 11.1	V=	1.298	/ 2.3	W=	.007020	/ 8.0	T=	.369	/ 5.4
LAT= 84.0	U=	.689	/ 11.4	V=	.755	/ 2.9	W=	.004158	/ 9.3	T=	.101	/ 5.7

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 100.017 KM

LAT= 0.0	U=	.541	7.7	V=	0.000	8.3	W=	.010071	2.3	T=	.880	11.8
LAT= 6.0	U=	.573	7.7	V=	1.257	10.7	W=	.008473	2.3	T=	.739	11.8
LAT= 12.0	U=	.603	7.6	V=	2.040	10.7	W=	.004184	2.3	T=	.363	11.7
LAT= 18.0	U=	.481	7.6	V=	2.063	10.8	W=	.001480	8.3	T=	.132	6.3
LAT= 24.0	U=	.105	6.2	V=	1.328	10.8	W=	.006880	8.4	T=	.587	6.0
LAT= 30.0	U=	.637	2.1	V=	.095	10.3	W=	.010654	8.4	T=	.894	6.0
LAT= 36.0	U=	1.495	2.0	V=	1.266	4.9	W=	.012124	8.5	T=	1.000	6.0
LAT= 42.0	U=	2.305	2.0	V=	2.392	4.9	W=	.011405	8.6	T=	.924	6.0
LAT= 48.0	U=	2.869	2.0	V=	3.073	4.9	W=	.009202	8.7	T=	.732	6.1
LAT= 54.0	U=	3.079	2.0	V=	3.262	5.0	W=	.006449	8.8	T=	.505	6.2
LAT= 60.0	U=	2.926	2.0	V=	3.041	5.0	W=	.003915	9.0	T=	.301	6.4
LAT= 66.0	U=	2.520	2.0	V=	2.544	5.0	W=	.002082	9.4	T=	.158	6.6
LAT= 72.0	U=	1.950	2.1	V=	1.911	5.0	W=	.001158	9.8	T=	.088	7.0
LAT= 78.0	U=	1.219	2.1	V=	1.248	5.1	W=	.000399	9.7	T=	.025	6.6
LAT= 84.0	U=	.620	2.1	V=	.631	5.1	W=	.000131	7.6	T=	.009	4.5

Z= 103.521 KM

LAT= 0.0	U=	.925	6.7	V=	0.000	1.1	W=	.013051	1.1	T=	1.316	10.7
LAT= 6.0	U=	.960	6.7	V=	1.914	9.7	W=	.010995	1.1	T=	1.112	10.7
LAT= 12.0	U=	.984	6.6	V=	3.161	9.7	W=	.005486	1.3	T=	.566	10.7
LAT= 18.0	U=	.797	6.5	V=	3.312	9.7	W=	.001869	6.6	T=	.154	4.6
LAT= 24.0	U=	.244	5.6	V=	2.317	9.8	W=	.008717	7.1	T=	.840	4.8
LAT= 30.0	U=	.835	1.1	V=	.500	10.2	W=	.013501	7.2	T=	1.319	4.8
LAT= 36.0	U=	2.142	.9	V=	1.655	3.6	W=	.015330	7.4	T=	1.505	4.9
LAT= 42.0	U=	3.460	.9	V=	3.550	3.7	W=	.014376	7.5	T=	1.415	5.0
LAT= 48.0	U=	4.474	.9	V=	4.828	3.8	W=	.011559	7.7	T=	1.140	5.2
LAT= 54.0	U=	4.975	.9	V=	5.335	3.9	W=	.008071	7.9	T=	.798	5.4
LAT= 60.0	U=	4.891	.9	V=	5.137	3.9	W=	.004896	8.2	T=	.484	5.6
LAT= 66.0	U=	4.328	1.0	V=	4.419	4.0	W=	.002616	8.7	T=	.260	6.0
LAT= 72.0	U=	3.411	1.0	V=	3.396	4.0	W=	.001485	9.2	T=	.145	6.5
LAT= 78.0	U=	2.312	1.1	V=	2.252	4.1	W=	.000632	9.3	T=	.061	6.4
LAT= 84.0	U=	1.132	1.1	V=	1.080	4.2	W=	.000186	7.3	T=	.018	4.5

Z= 107.177 KM

LAT= 0.0	U=	1.377	5.4	V=	0.000	11.8	W=	.015846	11.7	T=	1.986	9.3
LAT= 6.0	U=	1.403	5.3	V=	2.509	8.3	W=	.013383	11.8	T=	1.688	9.3
LAT= 12.0	U=	1.394	5.2	V=	4.196	8.3	W=	.006805	11.9	T=	.891	9.4
LAT= 18.0	U=	1.143	5.1	V=	4.519	8.4	W=	.001965	5.1	T=	.183	2.5
LAT= 24.0	U=	.458	4.6	V=	3.394	8.5	W=	.010013	5.7	T=	1.176	3.2
LAT= 30.0	U=	.817	11.7	V=	1.230	9.1	W=	.015569	5.9	T=	1.877	3.4
LAT= 36.0	U=	2.407	11.5	V=	1.682	1.7	W=	.017608	6.0	T=	2.153	3.5
LAT= 42.0	U=	4.064	11.5	V=	4.120	2.2	W=	.016407	6.2	T=	2.029	3.6
LAT= 48.0	U=	5.405	11.5	V=	5.867	2.3	W=	.013099	6.4	T=	1.638	3.8
LAT= 54.0	U=	6.142	11.5	V=	6.655	2.5	W=	.009087	6.6	T=	1.150	4.1
LAT= 60.0	U=	6.154	11.6	V=	6.524	2.6	W=	.005485	6.9	T=	.706	4.4
LAT= 66.0	U=	5.513	11.7	V=	5.687	2.7	W=	.002914	7.4	T=	.381	4.8
LAT= 72.0	U=	4.411	11.8	V=	4.413	2.8	W=	.001702	8.1	T=	.227	5.4
LAT= 78.0	U=	3.061	11.8	V=	2.936	2.9	W=	.000683	7.6	T=	.093	4.9
LAT= 84.0	U=	1.484	11.8	V=	1.387	3.0	W=	.000224	5.9	T=	.029	3.1

Z= 111.019 KM

LAT= 0.0	U=	1.687	4.0	V=	0.000	10.3	W=	.017967	10.3	T=	2.736	7.6
LAT= 6.0	U=	1.694	4.0	V=	2.725	6.9	W=	.015298	10.3	T=	2.347	7.7
LAT= 12.0	U=	1.641	3.9	V=	4.608	6.9	W=	.008157	10.4	T=	1.305	7.8
LAT= 18.0	U=	1.359	3.7	V=	5.090	7.0	W=	.001343	3.6	T=	.148	11.8
LAT= 24.0	U=	.673	3.3	V=	4.066	7.2	W=	.010146	4.3	T=	1.405	1.6
LAT= 30.0	U=	.612	10.7	V=	1.343	7.7	W=	.016292	4.4	T=	2.333	1.7
LAT= 36.0	U=	2.157	10.1	V=	1.331	11.6	W=	.018661	4.6	T=	2.716	1.9
LAT= 42.0	U=	3.822	10.1	V=	3.735	.6	W=	.017532	4.7	T=	2.585	2.1
LAT= 48.0	U=	5.219	10.1	V=	5.034	.9	W=	.014110	4.9	T=	2.107	2.3
LAT= 54.0	U=	6.048	10.2	V=	6.578	1.1	W=	.009899	5.2	T=	1.501	2.5
LAT= 60.0	U=	6.168	10.2	V=	6.573	1.2	W=	.006069	5.5	T=	.943	2.9
LAT= 66.0	U=	5.586	10.3	V=	5.815	1.3	W=	.003297	5.9	T=	.524	3.3
LAT= 72.0	U=	4.559	10.5	V=	4.561	1.4	W=	.001989	6.5	T=	.331	3.9
LAT= 78.0	U=	3.208	10.5	V=	3.045	1.5	W=	.000843	5.6	T=	.138	2.9
LAT= 84.0	U=	1.544	10.5	V=	1.427	1.8	W=	.000273	4.0	T=	.043	1.3

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 115.091 KM

LAT= 0.0	U=	1.778	2.7	V=	0.000	8.9	W=	.020279	8.9	T=	3.438	6.1
LAT= 6.0	U=	1.761	2.7	V=	2.567	5.6	W=	.017448	8.9	T=	2.979	6.1
LAT= 12.0	U=	1.669	2.6	V=	4.396	5.7	W=	.009852	9.0	T=	1.746	6.2
LAT= 18.0	U=	1.387	2.4	V=	4.987	5.8	W=	.000404	.9	T=	.181	7.9
LAT= 24.0	U=	.797	1.9	V=	4.228	5.9	W=	.009816	3.0	T=	1.470	0.0
LAT= 30.0	U=	.408	10.2	V=	2.446	6.4	W=	.016637	3.1	T=	2.590	.2
LAT= 36.0	U=	1.633	9.0	V=	1.065	9.1	W=	.019514	3.2	T=	3.080	.3
LAT= 42.0	U=	3.063	8.8	V=	2.823	11.1	W=	.018667	3.3	T=	2.974	.5
LAT= 48.0	U=	4.323	8.8	V=	4.585	11.5	W=	.015307	3.5	T=	2.463	.7
LAT= 54.0	U=	5.136	8.9	V=	5.579	11.7	W=	.010981	3.7	T=	1.790	1.0
LAT= 60.0	U=	5.365	9.0	V=	5.733	11.9	W=	.006921	4.0	T=	1.155	1.3
LAT= 66.0	U=	4.944	9.1	V=	5.185	.1	W=	.003884	4.4	T=	.665	1.7
LAT= 72.0	U=	4.162	9.3	V=	4.140	.2	W=	.002429	4.9	T=	.438	2.2
LAT= 78.0	U=	2.964	9.2	V=	2.793	.3	W=	.001087	3.9	T=	.185	1.1
LAT= 84.0	U=	1.418	9.3	V=	1.321	.7	W=	.000367	2.4	T=	.059	11.5

Z= 119.451 KM

LAT= 0.0	U=	1.722	1.6	V=	0.000	7.8	W=	.023182	7.8	T=	3.913	4.7
LAT= 6.0	U=	1.688	1.5	V=	2.264	4.5	W=	.020162	7.8	T=	3.422	4.8
LAT= 12.0	U=	1.573	1.4	V=	3.919	4.5	W=	.012027	7.8	T=	2.105	4.9
LAT= 18.0	U=	1.314	1.1	V=	4.544	4.6	W=	.001219	8.4	T=	.378	5.6
LAT= 24.0	U=	.837	.7	V=	4.037	4.8	W=	.009430	1.8	T=	1.373	10.6
LAT= 30.0	U=	.329	10.3	V=	2.648	5.3	W=	.017222	1.9	T=	2.621	10.8
LAT= 36.0	U=	1.123	8.0	V=	1.193	6.9	W=	.020897	2.0	T=	3.216	11.0
LAT= 42.0	U=	2.263	7.7	V=	1.986	9.6	W=	.020555	2.1	T=	3.178	11.2
LAT= 48.0	U=	3.316	7.7	V=	3.449	10.2	W=	.017360	2.3	T=	2.697	11.4
LAT= 54.0	U=	4.046	7.8	V=	4.379	10.6	W=	.012888	2.5	T=	2.017	11.6
LAT= 60.0	U=	4.333	7.9	V=	4.633	10.8	W=	.008482	2.7	T=	1.350	11.9
LAT= 66.0	U=	4.070	8.0	V=	4.286	11.0	W=	.004950	3.1	T=	.805	.3
LAT= 72.0	U=	3.542	8.2	V=	3.488	11.2	W=	.003197	3.5	T=	.537	.6
LAT= 78.0	U=	2.543	8.1	V=	2.383	11.3	W=	.001418	2.5	T=	.223	11.6
LAT= 84.0	U=	1.210	8.3	V=	1.151	11.8	W=	.000463	1.1	T=	.069	10.0

Z= 124.175 KM

LAT= 0.0	U=	1.626	.6	V=	0.000	6.8	W=	.026406	6.8	T=	4.046	3.7
LAT= 6.0	U=	1.586	.5	V=	1.963	3.4	W=	.023199	6.8	T=	3.572	3.7
LAT= 12.0	U=	1.467	.3	V=	3.422	3.5	W=	.014511	6.9	T=	2.292	3.8
LAT= 18.0	U=	1.240	.1	V=	4.030	3.6	W=	.002808	7.2	T=	.590	4.3
LAT= 24.0	U=	.853	11.7	V=	3.638	3.8	W=	.009006	.8	T=	1.164	9.5
LAT= 30.0	U=	.335	10.3	V=	2.619	4.2	W=	.018005	.9	T=	2.460	9.8
LAT= 36.0	U=	.716	7.0	V=	1.352	5.4	W=	.022753	1.0	T=	3.145	9.9
LAT= 42.0	U=	1.625	6.6	V=	1.471	8.0	W=	.023141	1.1	T=	3.210	10.1
LAT= 48.0	U=	2.500	6.6	V=	2.585	9.0	W=	.020249	1.3	T=	2.817	10.3
LAT= 54.0	U=	3.137	6.7	V=	3.391	9.5	W=	.015653	1.5	T=	2.192	10.5
LAT= 60.0	U=	3.436	6.8	V=	3.670	9.7	W=	.010842	1.7	T=	1.537	10.7
LAT= 66.0	U=	3.282	7.0	V=	3.457	10.0	W=	.006623	2.0	T=	.953	11.1
LAT= 72.0	U=	2.936	7.2	V=	2.800	10.2	W=	.004454	2.3	T=	.645	11.3
LAT= 78.0	U=	2.119	7.1	V=	1.978	10.4	W=	.001834	1.3	T=	.247	10.3
LAT= 84.0	U=	1.003	7.3	V=	.983	11.0	W=	.000532	11.9	T=	.064	8.6

Z= 129.367 KM

LAT= 0.0	U=	1.532	11.7	V=	0.000	6.0	W=	.029390	6.0	T=	3.898	2.9
LAT= 6.0	U=	1.493	11.6	V=	1.714	2.4	W=	.026051	6.0	T=	3.472	2.9
LAT= 12.0	U=	1.382	11.4	V=	3.003	2.5	W=	.016948	6.1	T=	2.315	3.0
LAT= 18.0	U=	1.190	11.1	V=	3.574	2.7	W=	.004533	6.4	T=	.751	3.5
LAT= 24.0	U=	.863	10.8	V=	3.346	2.9	W=	.008434	11.8	T=	.920	8.5
LAT= 30.0	U=	.370	10.1	V=	2.492	3.3	W=	.018630	0.0	T=	2.191	8.9
LAT= 36.0	U=	.429	6.0	V=	1.410	4.3	W=	.024537	.2	T=	2.935	9.1
LAT= 42.0	U=	1.200	5.5	V=	1.216	6.6	W=	.025799	.3	T=	3.107	9.2
LAT= 48.0	U=	1.952	5.5	V=	2.025	7.9	W=	.023349	.5	T=	2.830	9.4
LAT= 54.0	U=	2.509	5.7	V=	2.698	8.4	W=	.018737	.7	T=	2.292	9.6
LAT= 60.0	U=	2.791	5.8	V=	2.963	8.7	W=	.013584	.9	T=	1.685	9.8
LAT= 66.0	U=	2.691	6.0	V=	2.824	9.0	W=	.008654	1.2	T=	1.085	10.1
LAT= 72.0	U=	2.450	6.2	V=	2.366	9.2	W=	.006013	1.4	T=	.746	10.3
LAT= 78.0	U=	1.766	6.2	V=	1.654	9.5	W=	.002278	.4	T=	.261	9.4
LAT= 84.0	U=	.835	6.4	V=	.854	10.2	W=	.000582	10.6	T=	.052	7.3

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 135.169 KM

LAT= 0.0	U=	1.440 /	10.9	V=	0.000 /	11.4	W=	.031699 /	5.3	T=	3.607 /	2.2
LAT= 6.0	U=	1.406 /	10.8	V=	1.522 /	1.5	W=	.028312 /	5.3	T=	3.239 /	2.2
LAT= 12.0	U=	1.312 /	10.6	V=	2.678 /	1.6	W=	.019024 /	5.4	T=	2.233 /	2.3
LAT= 18.0	U=	1.147 /	10.3	V=	3.208 /	1.7	W=	.006230 /	5.8	T=	.853 /	2.8
LAT= 24.0	U=	.855 /	10.0	V=	3.045 /	2.0	W=	.007691 /	10.9	T=	.698 /	7.6
LAT= 30.0	U=	.390 /	9.7	V=	2.324 /	2.4	W=	.018790 /	11.3	T=	1.894 /	8.1
LAT= 36.0	U=	.285 /	4.9	V=	1.400 /	3.2	W=	.025717 /	11.5	T=	2.665 /	8.3
LAT= 42.0	U=	.990 /	4.4	V=	1.087 /	5.3	W=	.027830 /	11.6	T=	2.926 /	8.5
LAT= 48.0	U=	1.667 /	4.5	V=	1.687 /	6.8	W=	.025900 /	11.8	T=	2.760 /	8.7
LAT= 54.0	U=	2.167 /	4.6	V=	2.264 /	7.4	W=	.021416 /	0.0	T=	2.318 /	8.9
LAT= 60.0	U=	2.426 /	4.8	V=	2.516 /	7.7	W=	.016084 /	.3	T=	1.773 /	9.1
LAT= 66.0	U=	2.337 /	5.0	V=	2.426 /	8.0	W=	.010585 /	.6	T=	1.178 /	9.4
LAT= 72.0	U=	2.146 /	5.2	V=	2.059 /	8.3	W=	.007490 /	.7	T=	.820 /	9.5
LAT= 78.0	U=	1.528 /	5.2	V=	1.459 /	8.6	W=	.002650 /	11.7	T=	.269 /	8.6
LAT= 84.0	U=	.731 /	5.5	V=	.793 /	9.3	W=	.000631 /	9.3	T=	.042 /	6.0

Z= 141.772 KM

LAT= 0.0	U=	1.351 /	10.1	V=	0.000 /	10.6	W=	.033316 /	4.6	T=	3.277 /	1.5
LAT= 6.0	U=	1.323 /	10.0	V=	1.368 /	.7	W=	.029938 /	4.6	T=	2.965 /	1.6
LAT= 12.0	U=	1.246 /	9.8	V=	2.414 /	.8	W=	.020646 /	4.7	T=	2.106 /	1.7
LAT= 18.0	U=	1.099 /	9.5	V=	2.915 /	.9	W=	.007779 /	5.1	T=	.910 /	2.1
LAT= 24.0	U=	.823 /	9.3	V=	2.803 /	1.1	W=	.006907 /	10.0	T=	.534 /	6.5
LAT= 30.0	U=	.378 /	9.0	V=	2.191 /	1.5	W=	.018452 /	10.5	T=	1.616 /	7.4
LAT= 36.0	U=	.254 /	4.1	V=	1.373 /	2.3	W=	.026087 /	10.8	T=	2.381 /	7.6
LAT= 42.0	U=	.913 /	3.6	V=	1.002 /	4.2	W=	.028880 /	11.0	T=	2.702 /	7.8
LAT= 48.0	U=	1.542 /	3.7	V=	1.473 /	5.7	W=	.027453 /	11.2	T=	2.626 /	8.0
LAT= 54.0	U=	2.011 /	3.8	V=	2.005 /	6.4	W=	.023206 /	11.5	T=	2.272 /	8.3
LAT= 60.0	U=	2.260 /	3.9	V=	2.268 /	6.8	W=	.017878 /	11.7	T=	1.792 /	8.5
LAT= 66.0	U=	2.172 /	4.1	V=	2.225 /	7.1	W=	.012043 /	0.0	T=	1.219 /	8.7
LAT= 72.0	U=	2.007 /	4.3	V=	1.925 /	7.4	W=	.008590 /	.1	T=	.855 /	8.8
LAT= 78.0	U=	1.407 /	4.2	V=	1.395 /	7.6	W=	.002895 /	11.0	T=	.272 /	7.9
LAT= 84.0	U=	.691 /	4.6	V=	.805 /	8.3	W=	.000656 /	8.3	T=	.033 /	5.0

Z= 149.425 KM

LAT= 0.0	U=	1.264 /	9.3	V=	0.000 /	9.9	W=	.034539 /	3.9	T=	2.960 /	.9
LAT= 6.0	U=	1.243 /	9.3	V=	1.229 /	11.9	W=	.031185 /	3.9	T=	2.695 /	.9
LAT= 12.0	U=	1.177 /	9.1	V=	2.181 /	11.9	W=	.021952 /	4.1	T=	1.961 /	1.0
LAT= 18.0	U=	1.035 /	8.9	V=	2.657 /	.1	W=	.009170 /	4.5	T=	.934 /	1.5
LAT= 24.0	U=	.769 /	8.7	V=	2.592 /	.3	W=	.006264 /	9.0	T=	.442 /	5.3
LAT= 30.0	U=	.351 /	8.2	V=	2.073 /	.6	W=	.017805 /	9.8	T=	1.372 /	6.6
LAT= 36.0	U=	.255 /	3.7	V=	1.337 /	1.4	W=	.025834 /	10.1	T=	2.100 /	6.9
LAT= 42.0	U=	.851 /	3.1	V=	.921 /	3.1	W=	.029105 /	10.3	T=	2.446 /	7.1
LAT= 48.0	U=	1.427 /	3.1	V=	1.292 /	4.8	W=	.028111 /	10.6	T=	2.433 /	7.4
LAT= 54.0	U=	1.869 /	3.1	V=	1.801 /	5.5	W=	.024151 /	10.8	T=	2.149 /	7.6
LAT= 60.0	U=	2.122 /	3.2	V=	2.085 /	5.9	W=	.018950 /	11.1	T=	1.733 /	7.8
LAT= 66.0	U=	2.047 /	3.3	V=	2.089 /	6.2	W=	.012967 /	11.4	T=	1.200 /	8.0
LAT= 72.0	U=	1.911 /	3.5	V=	1.849 /	6.5	W=	.009264 /	11.5	T=	.846 /	8.1
LAT= 78.0	U=	1.333 /	3.4	V=	1.378 /	6.8	W=	.003017 /	10.5	T=	.271 /	7.3
LAT= 84.0	U=	.675 /	3.8	V=	.847 /	7.5	W=	.000556 /	7.5	T=	.024 /	4.5

Z= 158.420 KM

LAT= 0.0	U=	1.181 /	8.6	V=	0.000 /	7.2	W=	.035637 /	3.2	T=	2.668 /	.2
LAT= 6.0	U=	1.160 /	8.5	V=	1.100 /	11.1	W=	.032304 /	3.3	T=	2.440 /	.2
LAT= 12.0	U=	1.094 /	8.4	V=	1.961 /	11.2	W=	.023132 /	3.4	T=	1.810 /	.4
LAT= 18.0	U=	.955 /	8.3	V=	2.411 /	11.3	W=	.010474 /	3.9	T=	.928 /	.9
LAT= 24.0	U=	.707 /	8.1	V=	2.387 /	11.5	W=	.005922 /	7.9	T=	.416 /	4.0
LAT= 30.0	U=	.332 /	7.7	V=	1.950 /	11.8	W=	.017135 /	9.0	T=	1.167 /	5.7
LAT= 36.0	U=	.204 /	3.2	V=	1.289 /	.5	W=	.025407 /	9.4	T=	1.829 /	6.2
LAT= 42.0	U=	.719 /	2.5	V=	.827 /	2.1	W=	.029069 /	9.6	T=	2.171 /	6.4
LAT= 48.0	U=	1.231 /	2.4	V=	1.090 /	3.9	W=	.028491 /	9.9	T=	2.193 /	6.7
LAT= 54.0	U=	1.645 /	2.5	V=	1.570 /	4.7	W=	.024836 /	10.2	T=	1.966 /	6.9
LAT= 60.0	U=	1.908 /	2.5	V=	1.867 /	5.2	W=	.019789 /	10.4	T=	1.610 /	7.1
LAT= 66.0	U=	1.866 /	2.6	V=	1.911 /	5.5	W=	.013690 /	10.7	T=	1.128 /	7.3
LAT= 72.0	U=	1.762 /	2.7	V=	1.724 /	5.8	W=	.009747 /	10.8	T=	.796 /	7.4
LAT= 78.0	U=	1.231 /	2.6	V=	1.317 /	6.1	W=	.003037 /	10.0	T=	.261 /	6.7
LAT= 84.0	U=	.643 /	3.1	V=	.857 /	6.7	W=	.000285 /	6.8	T=	.016 /	5.4

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 181.310 KM

LAT= 0.0	U=	1.009	/ 7.2	V=	0.000	/ 1.9	W=	.037698	/ 2.0	T=	2.130	/ 11.0
LAT= 6.0	U=	.984	/ 7.2	V=	.874	/ 9.6	W=	.034381	/ 2.0	T=	1.960	/ 11.0
LAT= 12.0	U=	.913	/ 7.2	V=	1.573	/ 9.7	W=	.025288	/ 2.2	T=	1.494	/ 11.3
LAT= 18.0	U=	.785	/ 7.1	V=	1.967	/ 9.8	W=	.012840	/ 2.8	T=	.854	/ 11.9
LAT= 24.0	U=	.579	/ 7.1	V=	2.002	/ 10.0	W=	.006584	/ 5.9	T=	.455	/ 2.2
LAT= 30.0	U=	.287	/ 7.2	V=	1.708	/ 10.3	W=	.016791	/ 7.5	T=	.894	/ 4.1
LAT= 36.0	U=	.092	/ 0.0	V=	1.199	/ 10.8	W=	.025608	/ 7.9	T=	1.396	/ 4.7
LAT= 42.0	U=	.471	/ .7	V=	.639	/ 11.9	W=	.030139	/ 8.2	T=	1.690	/ 5.0
LAT= 48.0	U=	.653	/ .9	V=	.685	/ 2.1	W=	.030450	/ 8.5	T=	1.742	/ 5.3
LAT= 54.0	U=	1.196	/ 1.0	V=	1.085	/ 3.2	W=	.027372	/ 8.7	T=	1.590	/ 5.5
LAT= 60.0	U=	1.460	/ 1.1	V=	1.364	/ 3.7	W=	.022490	/ 8.9	T=	1.332	/ 5.7
LAT= 66.0	U=	1.470	/ 1.1	V=	1.458	/ 4.0	W=	.015848	/ 9.2	T=	.949	/ 5.8
LAT= 72.0	U=	1.410	/ 1.2	V=	1.350	/ 4.3	W=	.011139	/ 9.2	T=	.661	/ 5.9
LAT= 78.0	U=	.965	/ 1.2	V=	1.051	/ 4.7	W=	.003097	/ 8.7	T=	.222	/ 5.6
LAT= 84.0	U=	.520	/ 1.7	V=	.730	/ 5.4	W=	.000359	/ 1.1	T=	.034	/ 6.6

Z= 209.865 KM

LAT= 0.0	U=	.799	/ 6.1	V=	0.000	/ 2.0	W=	.039613	/ .8	T=	1.699	/ 10.1
LAT= 6.0	U=	.777	/ 6.1	V=	.703	/ 8.4	W=	.036212	/ .9	T=	1.573	/ 10.2
LAT= 12.0	U=	.717	/ 6.1	V=	1.275	/ 8.5	W=	.026914	/ 1.1	T=	1.222	/ 10.5
LAT= 18.0	U=	.612	/ 6.2	V=	1.618	/ 8.6	W=	.014387	/ 1.7	T=	.756	/ 11.2
LAT= 24.0	U=	.457	/ 6.4	V=	1.644	/ 8.7	W=	.008048	/ 4.5	T=	.495	/ 1.2
LAT= 30.0	U=	.260	/ 7.1	V=	1.453	/ 9.0	W=	.017834	/ 6.2	T=	.789	/ 2.9
LAT= 36.0	U=	.206	/ 9.5	V=	1.116	/ 9.4	W=	.027281	/ 6.7	T=	1.180	/ 3.6
LAT= 42.0	U=	.430	/ 10.8	V=	.688	/ 10.3	W=	.032648	/ 7.0	T=	1.436	/ 3.9
LAT= 48.0	U=	.685	11.3	V=	.498	/ .2	W=	.033730	/ 7.2	T=	1.503	/ 4.2
LAT= 54.0	U=	.929	/ 11.6	V=	.729	/ 1.7	W=	.031081	/ 7.5	T=	1.394	/ 4.4
LAT= 60.0	U=	1.150	/ 11.7	V=	.993	/ 2.3	W=	.026222	/ 7.7	T=	1.191	/ 4.5
LAT= 66.0	U=	1.176	/ 11.8	V=	1.103	/ 2.7	W=	.018891	/ 7.9	T=	.862	/ 4.7
LAT= 72.0	U=	1.135	/ 11.8	V=	1.035	/ 3.0	W=	.013374	/ 7.9	T=	.599	/ 4.6
LAT= 78.0	U=	.754	/ 11.8	V=	.793	/ 3.3	W=	.003936	/ 7.5	T=	.201	/ 4.5
LAT= 84.0	U=	.392	/ .3	V=	.533	/ 4.1	W=	.000354	/ 10.7	T=	.040	/ 5.6

Z= 240.988 KM

LAT= 0.0	U=	.595	5.2	V=	0.000	/ 2.0	W=	.042113	/ 11.9	T=	1.453	/ 9.6
LAT= 6.0	U=	.580	/ 5.2	V=	.600	/ 7.4	W=	.038437	/ 0.0	T=	1.349	/ 9.7
LAT= 12.0	U=	.536	/ 5.3	V=	1.091	/ 7.4	W=	.028521	/ .2	T=	1.062	/ 10.0
LAT= 18.0	U=	.463	/ 5.4	V=	1.383	/ 7.6	W=	.015480	/ .9	T=	.692	/ 10.8
LAT= 24.0	U=	.359	/ 5.9	V=	1.467	/ 7.7	W=	.009191	/ 3.5	T=	.514	/ .7
LAT= 30.0	U=	.256	/ 6.9	V=	1.325	/ 8.0	W=	.019147	/ 5.2	T=	.767	/ 2.2
LAT= 36.0	U=	.294	/ 8.6	V=	1.027	/ 8.4	W=	.029325	/ 5.8	T=	1.109	/ 2.9
LAT= 42.0	U=	.480	/ 9.5	V=	.671	/ 9.1	W=	.035540	/ 6.1	T=	1.353	/ 3.3
LAT= 48.0	U=	.666	/ 9.9	V=	.485	/ 10.8	W=	.037332	/ 6.4	T=	1.433	/ 3.5
LAT= 54.0	U=	.831	/ 10.3	V=	.569	/ .4	W=	.035045	/ 6.6	T=	1.345	/ 3.7
LAT= 60.0	U=	1.005	/ 10.5	V=	.815	/ 1.1	W=	.030116	/ 6.8	T=	1.162	/ 3.8
LAT= 66.0	U=	1.030	/ 10.7	V=	.927	/ 1.5	W=	.022056	/ 7.0	T=	.853	/ 3.9
LAT= 72.0	U=	.999	/ 10.7	V=	.879	/ 1.8	W=	.015824	/ 7.0	T=	.597	/ 3.9
LAT= 78.0	U=	.662	/ 10.6	V=	.666	/ 2.1	W=	.005044	/ 6.8	T=	.210	/ 3.7
LAT= 84.0	U=	.332	/ 11.1	V=	.418	/ 2.8	W=	.000970	/ 8.3	T=	.046	/ 4.5

Z= 272.801 KM

LAT= 0.0	U=	.473	/ 4.4	V=	0.000	/ 2.0	W=	.045225	/ 11.3	T=	1.336	/ 9.3
LAT= 6.0	U=	.463	/ 4.4	V=	.556	/ 6.6	W=	.041222	/ 11.4	T=	1.242	/ 9.4
LAT= 12.0	U=	.428	/ 4.5	V=	1.014	/ 6.7	W=	.030542	/ 11.7	T=	.985	/ 9.8
LAT= 18.0	U=	.373	/ 4.8	V=	1.296	/ 6.8	W=	.016741	/ .4	T=	.660	/ 10.6
LAT= 24.0	U=	.303	/ 5.4	V=	1.372	/ 7.0	W=	.010148	/ 2.9	T=	.525	/ .4
LAT= 30.0	U=	.264	/ 6.6	V=	1.252	/ 7.3	W=	.020419	/ 4.6	T=	.767	/ 1.9
LAT= 36.0	U=	.355	/ 8.0	V=	.987	/ 7.7	W=	.031411	/ 5.2	T=	1.095	/ 2.5
LAT= 42.0	U=	.548	/ 8.7	V=	.666	/ 8.4	W=	.038437	/ 5.5	T=	1.338	/ 2.9
LAT= 48.0	U=	.722	/ 9.1	V=	.456	/ 9.9	W=	.040817	/ 5.8	T=	1.427	/ 3.1
LAT= 54.0	U=	.854	/ 9.4	V=	.559	/ 11.5	W=	.038768	/ 6.1	T=	1.349	/ 3.3
LAT= 60.0	U=	.999	/ 9.7	V=	.775	/ .3	W=	.033636	/ 6.2	T=	1.173	/ 3.4
LAT= 66.0	U=	1.018	/ 9.8	V=	.885	/ .7	W=	.024763	/ 6.4	T=	.868	/ 3.6
LAT= 72.0	U=	.988	/ 9.9	V=	.867	/ .9	W=	.017812	/ 6.4	T=	.613	/ 3.5
LAT= 78.0	U=	.655	/ 9.8	V=	.650	/ 1.2	W=	.005769	/ 6.4	T=	.223	/ 3.4
LAT= 84.0	U=	.330	/ 10.2	V=	.395	/ 1.8	W=	.001749	/ 7.8	T=	.056	/ 3.9

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 301.762 KM

LAT= 0.0	U=	.427	/ 3.7	V=	0.000	/ 2.0	W=	.038161	/ 10.9	T=	1.288	/ 9.1
LAT= 6.0	U=	.418	/ 3.8	V=	.562	/ 6.0	W=	.043907	/ 11.0	T=	1.198	/ 9.2
LAT= 12.0	U=	.387	/ 4.0	V=	1.025	/ 6.1	W=	.032605	/ 11.3	T=	.953	/ 9.6
LAT= 18.0	U=	.337	/ 4.4	V=	1.285	/ 6.3	W=	.018077	/ 0.0	T=	.648	/ 10.5
LAT= 24.0	U=	.285	/ 5.1	V=	1.364	/ 6.5	W=	.010910	/ 2.5	T=	.533	/ .3
LAT= 30.0	U=	.283	/ 6.4	V=	1.253	/ 6.8	W=	.021435	/ 4.2	T=	.775	/ 1.7
LAT= 36.0	U=	.409	/ 7.6	V=	.997	/ 7.2	W=	.033134	/ 4.8	T=	1.102	/ 2.3
LAT= 42.0	U=	.621	/ 8.2	V=	.683	/ 7.9	W=	.040756	/ 5.2	T=	1.348	/ 2.7
LAT= 48.0	U=	.803	/ 8.6	V=	.473	/ 9.4	W=	.043502	/ 5.5	T=	1.443	/ 2.9
LAT= 54.0	U=	.928	/ 8.9	V=	.572	/ 11.0	W=	.041567	/ 5.7	T=	1.369	/ 3.1
LAT= 60.0	U=	1.061	/ 9.2	V=	.739	/ 11.8	W=	.036219	/ 5.9	T=	1.195	/ 3.2
LAT= 66.0	U=	1.072	/ 9.3	V=	.930	/ .1	W=	.026641	/ 6.1	T=	.887	/ 3.4
LAT= 72.0	U=	1.039	/ 9.4	V=	.895	/ .4	W=	.019084	/ 6.1	T=	.628	/ 3.3
LAT= 78.0	U=	.687	/ 9.3	V=	.682	/ .6	W=	.006087	/ 6.2	T=	.233	/ 3.2
LAT= 84.0	U=	.351	/ 9.7	V=	.413	/ 1.2	W=	.002328	/ 7.6	T=	.063	/ 3.6

Z= 333.754 KM

LAT= 0.0	U=	.422	/ 3.3	V=	0.000	/ 2.0	W=	.050332	/ 10.7	T=	1.277	/ 9.0
LAT= 6.0	U=	.412	/ 3.4	V=	.563	/ 5.7	W=	.045938	/ 10.8	T=	1.188	/ 9.2
LAT= 12.0	U=	.380	/ 3.6	V=	1.024	/ 5.8	W=	.034256	/ 11.0	T=	.946	/ 9.6
LAT= 18.0	U=	.331	/ 4.1	V=	1.312	/ 6.0	W=	.019186	/ 11.7	T=	.648	/ 10.4
LAT= 24.0	U=	.280	/ 5.0	V=	1.447	/ 6.2	W=	.011315	/ 2.1	T=	.543	/ .2
LAT= 30.0	U=	.306	/ 6.3	V=	1.289	/ 6.5	W=	.021912	/ 4.0	T=	.788	/ 1.6
LAT= 36.0	U=	.456	/ 7.4	V=	1.031	/ 6.9	W=	.034055	/ 4.6	T=	1.117	/ 2.2
LAT= 42.0	U=	.687	/ 8.0	V=	.712	/ 7.6	W=	.041970	/ 4.9	T=	1.367	/ 2.6
LAT= 48.0	U=	.882	/ 8.3	V=	.446	/ 9.1	W=	.044853	/ 5.3	T=	1.467	/ 2.8
LAT= 54.0	U=	1.010	/ 8.6	V=	.597	/ 10.7	W=	.042969	/ 5.5	T=	1.394	/ 3.0
LAT= 60.0	U=	1.138	/ 8.9	V=	.858	/ 11.5	W=	.037505	/ 5.7	T=	1.218	/ 3.1
LAT= 66.0	U=	1.141	/ 9.0	V=	.983	/ 11.8	W=	.027506	/ 5.9	T=	.906	/ 3.3
LAT= 72.0	U=	1.103	/ 9.1	V=	.949	/ .1	W=	.019584	/ 5.9	T=	.643	/ 3.2
LAT= 78.0	U=	.727	/ 9.0	V=	.722	/ .3	W=	.006073	/ 6.1	T=	.241	/ 3.1
LAT= 84.0	U=	.375	/ 9.3	V=	.438	/ .8	W=	.002699	/ 7.5	T=	.069	/ 3.5

Z= 365.750 KM

LAT= 0.0	U=	.436	/ 3.1	V=	0.000	/ 2.0	W=	.051507	/ 10.5	T=	1.286	/ 9.0
LAT= 6.0	U=	.422	/ 3.1	V=	.576	/ 5.5	W=	.047071	/ 10.6	T=	1.197	/ 9.1
LAT= 12.0	U=	.389	/ 3.4	V=	1.050	/ 5.6	W=	.035245	/ 10.8	T=	.954	/ 9.5
LAT= 18.0	U=	.339	/ 3.9	V=	1.349	/ 5.8	W=	.019880	/ 11.5	T=	.655	/ 10.4
LAT= 24.0	U=	.294	/ 4.8	V=	1.440	/ 6.0	W=	.011272	/ 1.9	T=	.552	/ .2
LAT= 30.0	U=	.328	/ 6.2	V=	1.283	/ 6.3	W=	.021691	/ 3.8	T=	.802	/ 1.6
LAT= 36.0	U=	.493	/ 7.3	V=	1.070	/ 6.7	W=	.033945	/ 4.4	T=	1.136	/ 2.2
LAT= 42.0	U=	.740	/ 7.8	V=	.740	/ 7.4	W=	.041847	/ 4.8	T=	1.392	/ 2.5
LAT= 48.0	U=	.948	/ 8.2	V=	.515	/ 8.9	W=	.044673	/ 5.1	T=	1.495	/ 2.8
LAT= 54.0	U=	1.077	/ 8.4	V=	.622	/ 10.5	W=	.042820	/ 5.4	T=	1.422	/ 3.0
LAT= 60.0	U=	1.204	/ 8.7	V=	.877	/ 11.3	W=	.037388	/ 5.6	T=	1.243	/ 3.1
LAT= 66.0	U=	1.203	/ 8.9	V=	1.032	/ 11.7	W=	.027329	/ 5.7	T=	.925	/ 3.2
LAT= 72.0	U=	1.161	/ 8.9	V=	.997	/ 11.9	W=	.019347	/ 5.7	T=	.657	/ 3.1
LAT= 78.0	U=	.761	/ 8.9	V=	.757	/ .1	W=	.005794	/ 6.0	T=	.247	/ 3.1
LAT= 84.0	U=	.394	/ 9.2	V=	.459	/ .6	W=	.002892	/ 7.4	T=	.071	/ 3.4

Z= 400.759 KM

LAT= 0.0	U=	.445	/ 3.0	V=	0.000	/ 2.0	W=	.051656	/ 10.4	T=	1.305	/ 9.0
LAT= 6.0	U=	.435	/ 3.0	V=	.589	/ 5.4	W=	.047257	/ 10.4	T=	1.214	/ 9.1
LAT= 12.0	U=	.399	/ 3.3	V=	1.075	/ 5.5	W=	.035510	/ 10.7	T=	.968	/ 9.5
LAT= 18.0	U=	.346	/ 3.8	V=	1.383	/ 5.7	W=	.020118	/ 11.3	T=	.666	/ 10.4
LAT= 24.0	U=	.304	/ 4.8	V=	1.481	/ 5.9	W=	.010798	/ 1.6	T=	.563	/ .1
LAT= 30.0	U=	.345	/ 6.1	V=	1.323	/ 6.2	W=	.020747	/ 3.6	T=	.818	/ 1.5
LAT= 36.0	U=	.521	/ 7.2	V=	1.103	/ 6.6	W=	.032773	/ 4.3	T=	1.157	/ 2.2
LAT= 42.0	U=	.778	/ 7.8	V=	.783	/ 7.4	W=	.040382	/ 4.7	T=	1.419	/ 2.5
LAT= 48.0	U=	.995	/ 8.1	V=	.542	/ 8.8	W=	.042898	/ 5.0	T=	1.525	/ 2.8
LAT= 54.0	U=	1.127	/ 8.4	V=	.642	/ 10.5	W=	.041183	/ 5.3	T=	1.451	/ 2.9
LAT= 60.0	U=	1.255	/ 8.6	V=	.908	/ 11.3	W=	.035937	/ 5.5	T=	1.269	/ 3.1
LAT= 66.0	U=	1.251	/ 8.8	V=	1.070	/ 11.6	W=	.026176	/ 5.6	T=	.944	/ 3.2
LAT= 72.0	U=	1.204	/ 8.8	V=	1.033	/ 11.8	W=	.018449	/ 5.6	T=	.671	/ 3.1
LAT= 78.0	U=	.788	/ 8.8	V=	.784	/ 0.0	W=	.005307	/ 6.0	T=	.254	/ 3.1
LAT= 84.0	U=	.409	/ 9.1	V=	.475	/ .5	W=	.002936	/ 7.5	T=	.074	/ 3.4

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 100.017 KM

LAT= 0.0	U=	.585 / 7.5	V=	0.000 / 8.3	W=	.010635 / 2.3	T=	.884 / 11.8
LAT= 6.0	U=	.619 / 7.5	V=	1.332 / 10.6	W=	.008960 / 2.3	T=	.743 / 11.8
LAT= 12.0	U=	.648 / 7.5	V=	2.162 / 10.6	W=	.004456 / 2.4	T=	.367 / 11.7
LAT= 18.0	U=	.516 / 7.5	V=	2.187 / 10.6	W=	.001514 / 8.2	T=	.127 / 6.3
LAT= 24.0	U=	.119 / 6.1	V=	1.408 / 10.6	W=	.007226 / 8.4	T=	.582 / 6.0
LAT= 30.0	U=	.668 / 2.0	V=	.121 / 9.6	W=	.011251 / 8.4	T=	.892 / 6.0
LAT= 36.0	U=	1.572 / 1.9	V=	1.333 / 4.8	W=	.012854 / 8.5	T=	1.000 / 6.0
LAT= 42.0	U=	2.423 / 1.9	V=	2.518 / 4.8	W=	.012133 / 8.6	T=	.925 / 6.1
LAT= 48.0	U=	3.013 / 1.9	V=	3.230 / 4.8	W=	.009820 / 8.7	T=	.735 / 6.1
LAT= 54.0	U=	3.228 / 1.9	V=	3.422 / 4.8	W=	.006899 / 8.9	T=	.506 / 6.2
LAT= 60.0	U=	3.064 / 1.9	V=	3.183 / 4.9	W=	.004205 / 9.1	T=	.303 / 6.4
LAT= 66.0	U=	2.628 / 1.9	V=	2.660 / 4.9	W=	.002231 / 9.4	T=	.158 / 6.6
LAT= 72.0	U=	2.041 / 1.9	V=	1.995 / 4.9	W=	.001250 / 9.8	T=	.088 / 7.0
LAT= 78.0	U=	1.264 / 1.9	V=	1.303 / 4.9	W=	.000424 / 9.9	T=	.023 / 6.6
LAT= 84.0	U=	.646 / 1.9	V=	.662 / 4.9	W=	.000135 / 7.6	T=	.009 / 4.4

Z= 103.521 KM

LAT= 0.0	U=	1.041 / 6.7	V=	0.000 / 1.1	W=	.013833 / 1.1	T=	1.364 / 10.7
LAT= 6.0	U=	1.078 / 6.6	V=	2.121 / 9.7	W=	.011647 / 1.1	T=	1.152 / 10.7
LAT= 12.0	U=	1.099 / 6.6	V=	3.503 / 9.7	W=	.005802 / 1.3	T=	.586 / 10.8
LAT= 18.0	U=	.886 / 6.5	V=	3.672 / 9.7	W=	.002046 / 6.5	T=	.164 / 4.5
LAT= 24.0	U=	.259 / 5.7	V=	2.572 / 9.8	W=	.009268 / 7.1	T=	.874 / 4.8
LAT= 30.0	U=	.926 / 1.0	V=	.561 / 10.2	W=	.014309 / 7.2	T=	1.370 / 4.9
LAT= 36.0	U=	2.381 / .9	V=	1.840 / 3.6	W=	.016213 / 7.4	T=	1.560 / 5.0
LAT= 42.0	U=	3.845 / .8	V=	3.947 / 3.7	W=	.015173 / 7.5	T=	1.464 / 5.1
LAT= 48.0	U=	4.974 / .8	V=	5.367 / 3.8	W=	.012177 / 7.7	T=	1.177 / 5.2
LAT= 54.0	U=	5.528 / .9	V=	5.933 / 3.8	W=	.008487 / 8.0	T=	.823 / 5.4
LAT= 60.0	U=	5.437 / .9	V=	5.711 / 3.9	W=	.005150 / 8.3	T=	.501 / 5.7
LAT= 66.0	U=	4.801 / 1.0	V=	4.912 / 4.0	W=	.002747 / 8.7	T=	.266 / 6.1
LAT= 72.0	U=	3.791 / 1.0	V=	3.776 / 4.0	W=	.001572 / 9.3	T=	.149 / 6.6
LAT= 78.0	U=	2.564 / 1.0	V=	2.503 / 4.1	W=	.000673 / 9.5	T=	.063 / 6.6
LAT= 84.0	U=	1.256 / 1.1	V=	1.201 / 4.1	W=	.000184 / 7.4	T=	.017 / 4.5

Z= 107.177 KM

LAT= 0.0	U=	1.573 / 5.3	V=	0.000 / 11.7	W=	.016819 / 11.7	T=	2.160 / 9.2
LAT= 6.0	U=	1.598 / 5.3	V=	2.833 / 8.2	W=	.014192 / 11.7	T=	1.835 / 9.2
LAT= 12.0	U=	1.580 / 5.2	V=	4.736 / 8.2	W=	.007189 / 11.8	T=	.964 / 9.4
LAT= 18.0	U=	1.286 / 5.1	V=	5.100 / 8.3	W=	.002177 / 5.0	T=	.218 / 2.3
LAT= 24.0	U=	.494 / 4.7	V=	3.833 / 8.5	W=	.010666 / 5.6	T=	1.288 / 3.1
LAT= 30.0	U=	.926 / 11.6	V=	1.416 / 9.1	W=	.016491 / 5.8	T=	2.043 / 3.3
LAT= 36.0	U=	2.725 / 11.4	V=	1.924 / 1.6	W=	.018570 / 5.9	T=	2.333 / 3.4
LAT= 42.0	U=	4.586 / 11.4	V=	4.647 / 2.1	W=	.017226 / 6.1	T=	2.190 / 3.6
LAT= 48.0	U=	6.086 / 11.4	V=	6.600 / 2.3	W=	.013689 / 6.3	T=	1.762 / 3.8
LAT= 54.0	U=	6.901 / 11.5	V=	7.477 / 2.4	W=	.009454 / 6.6	T=	1.233 / 4.1
LAT= 60.0	U=	6.908 / 11.5	V=	7.321 / 2.5	W=	.005695 / 6.9	T=	.758 / 4.4
LAT= 66.0	U=	6.171 / 11.6	V=	6.378 / 2.6	W=	.003010 / 7.4	T=	.407 / 4.8
LAT= 72.0	U=	4.943 / 11.7	V=	4.948 / 2.7	W=	.001777 / 8.1	T=	.246 / 5.5
LAT= 78.0	U=	3.420 / 11.8	V=	3.289 / 2.8	W=	.000691 / 7.7	T=	.098 / 5.0
LAT= 84.0	U=	1.661 / 11.8	V=	1.557 / 3.0	W=	.000210 / 5.9	T=	.028 / 3.2

Z= 111.019 KM

LAT= 0.0	U=	1.890 / 3.9	V=	0.000 / 10.2	W=	.019007 / 10.1	T=	3.088 / 7.5
LAT= 6.0	U=	1.892 / 3.9	V=	3.027 / 6.8	W=	.016176 / 10.2	T=	2.647 / 7.5
LAT= 12.0	U=	1.824 / 3.8	V=	5.119 / 6.8	W=	.008612 / 10.3	T=	1.468 / 7.6
LAT= 18.0	U=	1.495 / 3.6	V=	5.658 / 6.9	W=	.001490 / 3.3	T=	.189 / 11.5
LAT= 24.0	U=	.720 / 3.2	V=	4.530 / 7.1	W=	.010747 / 4.1	T=	1.592 / 1.4
LAT= 30.0	U=	.686 / 10.4	V=	2.201 / 7.7	W=	.017203 / 4.3	T=	2.629 / 1.6
LAT= 36.0	U=	2.400 / 10.0	V=	1.505 / 11.4	W=	.019652 / 4.4	T=	3.049 / 1.7
LAT= 42.0	U=	4.231 / 9.9	V=	4.126 / .5	W=	.018411 / 4.6	T=	2.892 / 1.9
LAT= 48.0	U=	5.761 / 10.0	V=	6.198 / .8	W=	.014776 / 4.8	T=	2.352 / 2.1
LAT= 54.0	U=	6.661 / 10.0	V=	7.235 / .9	W=	.010332 / 5.0	T=	1.672 / 2.4
LAT= 60.0	U=	6.790 / 10.1	V=	7.230 / 1.1	W=	.006334 / 5.3	T=	1.052 / 2.7
LAT= 66.0	U=	6.139 / 10.2	V=	6.398 / 1.2	W=	.003415 / 5.8	T=	.582 / 3.2
LAT= 72.0	U=	5.023 / 10.4	V=	5.023 / 1.3	W=	.002093 / 6.4	T=	.374 / 3.8
LAT= 78.0	U=	3.521 / 10.4	V=	3.354 / 1.4	W=	.000846 / 5.8	T=	.150 / 2.9
LAT= 84.0	U=	1.699 / 10.4	V=	1.578 / 1.7	W=	.000259 / 3.9	T=	.043 / 1.2

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 115.091 KM

LAT= 0.0	U=	1.923 /	2.6	V=	0.000 /	8.8	W=	.021433 /	8.7	T=	3.975 /	5.8
LAT= 6.0	U=	1.900 /	2.6	V=	2.777 /	5.5	W=	.018436 /	8.8	T=	3.441 /	5.9
LAT= 12.0	U=	1.787 /	2.4	V=	4.758 /	5.5	W=	.010396 /	8.8	T=	2.013 /	6.0
LAT= 18.0	U=	1.470 /	2.2	V=	5.405 /	5.6	W=	.000538 /	.7	T=	.214 /	7.8
LAT= 24.0	U=	.830 /	1.8	V=	4.602 /	5.8	W=	.010423 /	2.8	T=	1.712 /	11.7
LAT= 30.0	U=	.458 /	10.0	V=	2.704 /	6.3	W=	.015630 /	2.9	T=	3.001 /	11.9
LAT= 36.0	U=	1.771 /	8.8	V=	1.265 /	8.9	W=	.020663 /	3.0	T=	3.562 /	.1
LAT= 42.0	U=	3.292 /	8.7	V=	3.007 /	10.9	W=	.019761 /	3.2	T=	3.435 /	.3
LAT= 48.0	U=	4.630 /	8.7	V=	4.886 /	11.4	W=	.016203 /	3.3	T=	2.842 /	.5
LAT= 54.0	U=	5.496 /	8.8	V=	5.958 /	11.6	W=	.011614 /	3.5	T=	2.064 /	.8
LAT= 60.0	U=	5.744 /	8.9	V=	6.135 /	11.8	W=	.007345 /	3.8	T=	1.336 /	1.1
LAT= 66.0	U=	5.297 /	9.0	V=	5.560 /	.0	W=	.004083 /	4.2	T=	.765 /	1.5
LAT= 72.0	U=	4.480 /	9.1	V=	4.447 /	.1	W=	.002593 /	4.7	T=	.510 /	2.0
LAT= 78.0	U=	3.175 /	9.1	V=	3.003 /	.2	W=	.001119 /	3.8	T=	.209 /	1.0
LAT= 84.0	U=	1.523 /	9.2	V=	1.429 /	.6	W=	.000367 /	2.2	T=	.064 /	11.3

Z= 119.451 KM

LAT= 0.0	U=	1.808 /	1.4	V=	0.000 /	7.6	W=	.024510 /	7.6	T=	4.549 /	4.5
LAT= 6.0	U=	1.768 /	1.4	V=	2.595 /	4.3	W=	.021311 /	7.6	T=	3.977 /	4.5
LAT= 12.0	U=	1.634 /	1.2	V=	4.148 /	4.4	W=	.012692 /	7.7	T=	2.440 /	4.6
LAT= 18.0	U=	1.349 /	1.0	V=	4.818 /	4.5	W=	.001261 /	8.4	T=	.427 /	5.4
LAT= 24.0	U=	.851 /	.5	V=	4.299 /	4.7	W=	.010099 /	1.6	T=	1.623 /	10.4
LAT= 30.0	U=	.378 /	10.0	V=	2.854 /	5.1	W=	.018397 /	1.7	T=	3.085 /	10.6
LAT= 36.0	U=	1.206 /	7.9	V=	1.328 /	6.7	W=	.022338 /	1.8	T=	3.785 /	10.8
LAT= 42.0	U=	2.380 /	7.6	V=	2.069 /	9.3	W=	.022010 /	2.0	T=	3.745 /	10.9
LAT= 48.0	U=	3.469 /	7.6	V=	3.589 /	10.1	W=	.018637 /	2.1	T=	3.185 /	11.1
LAT= 54.0	U=	4.231 /	7.6	V=	4.573 /	10.4	W=	.013866 /	2.3	T=	2.388 /	11.4
LAT= 60.0	U=	4.536 /	7.8	V=	4.852 /	10.7	W=	.009182 /	2.5	T=	1.608 /	11.6
LAT= 66.0	U=	4.273 /	7.9	V=	4.501 /	10.9	W=	.005324 /	2.9	T=	.954 /	.0
LAT= 72.0	U=	3.739 /	8.1	V=	3.671 /	11.0	W=	.003482 /	3.3	T=	.642 /	.4
LAT= 78.0	U=	2.672 /	8.0	V=	2.513 /	11.2	W=	.001502 /	2.4	T=	.261 /	11.4
LAT= 84.0	U=	1.276 /	8.2	V=	1.225 /	11.7	W=	.000474 /	1.0	T=	.077 /	9.8

Z= 124.175 KM

LAT= 0.0	U=	1.676 /	.4	V=	0.000 /	6.7	W=	.027932 /	6.6	T=	4.672 /	3.5
LAT= 6.0	U=	1.629 /	.4	V=	2.041 /	3.3	W=	.024530 /	6.7	T=	4.123 /	3.5
LAT= 12.0	U=	1.495 /	.2	V=	3.562 /	3.4	W=	.015308 /	6.7	T=	2.639 /	3.6
LAT= 18.0	U=	1.253 /	11.9	V=	4.204 /	3.5	W=	.002878 /	7.1	T=	.659 /	4.1
LAT= 24.0	U=	.858 /	11.5	V=	3.873 /	3.7	W=	.009746 /	.6	T=	1.382 /	9.3
LAT= 30.0	U=	.371 /	9.9	V=	2.768 /	4.1	W=	.019385 /	.7	T=	2.903 /	9.6
LAT= 36.0	U=	.774 /	7.0	V=	1.460 /	5.3	W=	.024511 /	.9	T=	3.713 /	9.7
LAT= 42.0	U=	1.689 /	6.6	V=	1.528 /	7.8	W=	.024994 /	1.0	T=	3.801 /	9.9
LAT= 48.0	U=	2.581 /	6.5	V=	2.662 /	8.9	W=	.021949 /	1.2	T=	3.350 /	10.1
LAT= 54.0	U=	3.239 /	6.6	V=	3.503 /	9.3	W=	.017026 /	1.3	T=	2.617 /	10.3
LAT= 60.0	U=	3.554 /	6.7	V=	3.805 /	9.6	W=	.011869 /	1.6	T=	1.848 /	10.5
LAT= 66.0	U=	3.411 /	6.9	V=	3.595 /	9.9	W=	.007234 /	1.9	T=	1.144 /	10.8
LAT= 72.0	U=	3.069 /	7.1	V=	2.983 /	10.1	W=	.004910 /	2.1	T=	.778 /	11.1
LAT= 78.0	U=	2.207 /	7.0	V=	2.069 /	10.3	W=	.001980 /	1.3	T=	.294 /	10.2
LAT= 84.0	U=	1.049 /	7.3	V=	1.044 /	10.9	W=	.000551 /	11.8	T=	.072 /	8.4

Z= 129.367 KM

LAT= 0.0	U=	1.559 /	11.5	V=	0.000 /	5.8	W=	.031066 /	5.8	T=	4.451 /	2.7
LAT= 6.0	U=	1.513 /	11.5	V=	1.761 /	2.3	W=	.027522 /	5.9	T=	3.962 /	2.7
LAT= 12.0	U=	1.391 /	11.2	V=	3.028 /	2.4	W=	.017851 /	5.9	T=	2.631 /	2.8
LAT= 18.0	U=	1.188 /	11.0	V=	3.680 /	2.5	W=	.004639 /	6.3	T=	.826 /	3.2
LAT= 24.0	U=	.860 /	10.6	V=	3.457 /	2.8	W=	.009212 /	11.7	T=	1.090 /	8.4
LAT= 30.0	U=	.387 /	9.8	V=	2.581 /	3.2	W=	.020149 /	11.9	T=	2.572 /	8.7
LAT= 36.0	U=	.472 /	6.1	V=	1.486 /	4.2	W=	.026532 /	.1	T=	3.446 /	8.9
LAT= 42.0	U=	1.238 /	5.5	V=	1.262 /	6.4	W=	.027961 /	.2	T=	3.658 /	9.1
LAT= 48.0	U=	2.000 /	5.5	V=	2.080 /	7.7	W=	.025399 /	.4	T=	3.346 /	9.3
LAT= 54.0	U=	2.575 /	5.6	V=	2.777 /	8.3	W=	.020462 /	.6	T=	2.722 /	9.5
LAT= 60.0	U=	2.870 /	5.7	V=	3.060 /	8.6	W=	.014918 /	.8	T=	2.011 /	9.7
LAT= 66.0	U=	2.785 /	5.9	V=	2.928 /	8.9	W=	.009506 /	1.1	T=	1.296 /	10.0
LAT= 72.0	U=	2.551 /	6.1	V=	2.461 /	9.2	W=	.006643 /	1.3	T=	.894 /	10.1
LAT= 78.0	U=	1.834 /	6.1	V=	1.729 /	9.4	W=	.002479 /	.4	T=	.311 /	9.3
LAT= 84.0	U=	.873 /	6.4	V=	.911 /	10.1	W=	.000601 /	10.5	T=	.058 /	7.2

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 135.169 KM

LAT= 0.0	U= 1.449 / 10.7	V= 0.000 / 11.3	W= .033422 / 5.1	T= 4.074 / 2.0
LAT= 6.0	U= 1.411 / 10.7	V= 1.548 / 1.4	W= .029827 / 5.2	T= 3.655 / 2.1
LAT= 12.0	U= 1.308 / 10.4	V= 2.725 / 1.5	W= .019966 / 5.2	T= 2.511 / 2.2
LAT= 18.0	U= 1.137 / 10.1	V= 3.271 / 1.7	W= .006350 / 5.6	T= .929 / 2.5
LAT= 24.0	U= .845 / 9.8	V= 3.113 / 1.9	W= .008439 / 10.9	T= .817 / 7.6
LAT= 30.0	U= .392 / 9.3	V= 2.387 / 2.3	W= .020338 / 11.2	T= 2.205 / 8.0
LAT= 36.0	U= .319 / 5.0	V= 1.448 / 3.2	W= .027795 / 11.4	T= 3.098 / 8.2
LAT= 42.0	U= 1.017 / 4.4	V= 1.122 / 5.2	W= .030131 / 11.5	T= 3.410 / 8.4
LAT= 48.0	U= 1.705 / 4.5	V= 1.732 / 6.7	W= .028138 / 11.7	T= 3.229 / 8.6
LAT= 54.0	U= 2.221 / 4.6	V= 2.329 / 7.3	W= .023359 / .0	T= 2.724 / 8.8
LAT= 60.0	U= 2.490 / 4.7	V= 2.596 / 7.7	W= .017630 / .2	T= 2.090 / 9.0
LAT= 66.0	U= 2.416 / 4.9	V= 2.513 / 8.0	W= .011620 / .5	T= 1.390 / 9.2
LAT= 72.0	U= 2.230 / 5.2	V= 2.140 / 8.2	W= .008253 / .6	T= .970 / 9.4
LAT= 78.0	U= 1.587 / 5.1	V= 1.527 / 8.5	W= .002892 / 11.6	T= .317 / 8.5
LAT= 84.0	U= .765 / 5.5	V= .849 / 9.2	W= .000653 / 9.2	T= .046 / 5.9

Z= 141.772 KM

LAT= 0.0	U= 1.347 / 10.0	V= 0.000 / 10.5	W= .034994 / 4.5	T= 3.670 / 1.4
LAT= 6.0	U= 1.315 / 9.9	V= 1.381 / .6	W= .031416 / 4.5	T= 3.317 / 1.4
LAT= 12.0	U= 1.232 / 9.7	V= 2.439 / .7	W= .021570 / 4.6	T= 2.346 / 1.5
LAT= 18.0	U= 1.081 / 9.4	V= 2.949 / .8	W= .007892 / 5.0	T= .984 / 1.9
LAT= 24.0	U= .808 / 9.1	V= 2.841 / 1.0	W= .007539 / 10.0	T= .600 / 6.6
LAT= 30.0	U= .374 / 8.6	V= 2.226 / 1.4	W= .019911 / 10.5	T= 1.859 / 7.3
LAT= 36.0	U= .289 / 4.3	V= 1.398 / 2.2	W= .028091 / 10.7	T= 2.738 / 7.6
LAT= 42.0	U= .943 / 3.7	V= 1.025 / 4.1	W= .031137 / 10.9	T= 3.114 / 7.8
LAT= 48.0	U= 1.584 / 3.7	V= 1.512 / 5.7	W= .029691 / 11.1	T= 3.038 / 8.0
LAT= 54.0	U= 2.066 / 3.7	V= 2.063 / 6.3	W= .025201 / 11.4	T= 2.638 / 8.2
LAT= 60.0	U= 2.321 / 3.9	V= 2.340 / 6.7	W= .019502 / 11.6	T= 2.086 / 8.4
LAT= 66.0	U= 2.247 / 4.0	V= 2.306 / 7.0	W= .013168 / 11.9	T= 1.422 / 8.6
LAT= 72.0	U= 2.086 / 4.2	V= 2.003 / 7.3	W= .009415 / .0	T= 1.000 / 8.7
LAT= 78.0	U= 1.463 / 4.2	V= 1.462 / 7.6	W= .003168 / 11.0	T= .321 / 7.9
LAT= 84.0	U= .724 / 4.6	V= .862 / 8.3	W= .000694 / 8.2	T= .038 / 4.8

Z= 149.425 KM

LAT= 0.0	U= 1.249 / 9.2	V= 0.000 / 9.8	W= .036132 / 3.8	T= 3.300 / .7
LAT= 6.0	U= 1.225 / 9.2	V= 1.234 / 11.8	W= .032593 / 3.8	T= 3.002 / .8
LAT= 12.0	U= 1.155 / 9.0	V= 2.191 / 11.9	W= .022842 / 4.0	T= 2.175 / .9
LAT= 18.0	U= 1.011 / 8.7	V= 2.671 / .0	W= .009278 / 4.4	T= 1.007 / 1.3
LAT= 24.0	U= .749 / 8.5	V= 2.609 / .2	W= .006663 / 9.1	T= .455 / 5.5
LAT= 30.0	U= .348 / 7.8	V= 2.085 / .6	W= .019071 / 9.8	T= 1.554 / 6.6
LAT= 36.0	U= .301 / 3.8	V= 1.345 / 1.3	W= .027642 / 10.1	T= 2.387 / 6.9
LAT= 42.0	U= .889 / 3.1	V= .934 / 3.1	W= .031181 / 10.3	T= 2.788 / 7.1
LAT= 48.0	U= 1.477 / 3.1	V= 1.329 / 4.8	W= .030208 / 10.5	T= 2.784 / 7.3
LAT= 54.0	U= 1.931 / 3.1	V= 1.857 / 5.5	W= .026065 / 10.8	T= 2.472 / 7.5
LAT= 60.0	U= 2.184 / 3.2	V= 2.156 / 5.9	W= .020536 / 11.1	T= 1.998 / 7.7
LAT= 66.0	U= 2.122 / 3.3	V= 2.170 / 6.2	W= .014093 / 11.3	T= 1.387 / 7.9
LAT= 72.0	U= 1.989 / 3.4	V= 1.928 / 6.5	W= .010093 / 11.4	T= .980 / 8.0
LAT= 78.0	U= 1.388 / 3.4	V= 1.448 / 6.8	W= .003319 / 10.5	T= .317 / 7.3
LAT= 84.0	U= .709 / 3.8	V= .907 / 7.5	W= .000603 / 7.4	T= .027 / 4.3

Z= 158.420 KM

LAT= 0.0	U= 1.158 / 8.5	V= 0.000 / 7.1	W= .037139 / 3.2	T= 2.983 / .0
LAT= 6.0	U= 1.134 / 8.5	V= 1.098 / 11.0	W= .033642 / 3.2	T= 2.726 / .1
LAT= 12.0	U= 1.067 / 8.3	V= 1.959 / 11.1	W= .024008 / 3.3	T= 2.014 / .2
LAT= 18.0	U= .927 / 8.1	V= 2.410 / 11.2	W= .010619 / 3.8	T= 1.007 / .6
LAT= 24.0	U= .684 / 7.9	V= 2.383 / 11.4	W= .005954 / 8.1	T= .387 / 4.2
LAT= 30.0	U= .328 / 7.2	V= 1.942 / 11.8	W= .018098 / 9.1	T= 1.296 / 5.8
LAT= 36.0	U= .261 / 3.5	V= 1.275 / .5	W= .026919 / 9.4	T= 2.057 / 6.1
LAT= 42.0	U= .761 / 2.6	V= .825 / 2.1	W= .030876 / 9.6	T= 2.453 / 6.4
LAT= 48.0	U= 1.283 / 2.5	V= 1.125 / 4.0	W= .030366 / 9.9	T= 2.489 / 6.6
LAT= 54.0	U= 1.709 / 2.5	V= 1.627 / 4.7	W= .026598 / 10.1	T= 2.245 / 6.8
LAT= 60.0	U= 1.970 / 2.5	V= 1.939 / 5.2	W= .021276 / 10.4	T= 1.843 / 7.0
LAT= 66.0	U= 1.939 / 2.6	V= 1.990 / 5.5	W= .014768 / 10.6	T= 1.295 / 7.2
LAT= 72.0	U= 1.835 / 2.7	V= 1.803 / 5.8	W= .010546 / 10.7	T= .915 / 7.3
LAT= 78.0	U= 1.286 / 2.6	V= 1.389 / 6.1	W= .003357 / 10.0	T= .305 / 6.7
LAT= 84.0	U= .679 / 3.1	V= .920 / 6.8	W= .000319 / 6.8	T= .019 / 5.1

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 181.310 KM

LAT= 0.0	U=	.993	/ 7.2	V=	0.000	/ 1.8	W=	.038973	/ 1.9	T=	2.429	/ 10.8
LAT= 6.0	U=	.967	/ 7.1	V=	.863	/ 9.6	W=	.035585	/ 2.0	T=	2.235	/ 10.8
LAT= 12.0	U=	.896	/ 7.1	V=	1.554	/ 9.7	W=	.026237	/ 2.1	T=	1.700	/ 11.0
LAT= 18.0	U=	.768	/ 7.0	V=	1.942	/ 9.8	W=	.013254	/ 2.6	T=	.952	/ 11.5
LAT= 24.0	U=	.564	/ 6.9	V=	1.970	/ 10.0	W=	.005960	/ 5.9	T=	.411	/ 1.9
LAT= 30.0	U=	.274	/ 6.6	V=	1.669	/ 10.2	W=	.016939	/ 7.5	T=	.940	/ 4.1
LAT= 36.0	U=	.098	/ 1.7	V=	1.148	/ 10.7	W=	.026372	/ 7.9	T=	1.531	/ 4.6
LAT= 42.0	U=	.482	/ 1.1	V=	.642	/ .0	W=	.031328	/ 8.2	T=	1.875	/ 4.9
LAT= 48.0	U=	.885	/ 1.1	V=	.686	/ 2.3	W=	.031852	/ 8.5	T=	1.947	/ 5.2
LAT= 54.0	U=	1.250	/ 1.1	V=	1.108	/ 3.3	W=	.026809	/ 8.7	T=	1.793	/ 5.4
LAT= 60.0	U=	1.513	/ 1.1	V=	1.421	/ 3.8	W=	.023746	/ 8.9	T=	1.506	/ 5.6
LAT= 66.0	U=	1.529	/ 1.1	V=	1.522	/ 4.1	W=	.016772	/ 9.1	T=	1.075	/ 5.7
LAT= 72.0	U=	1.464	/ 1.2	V=	1.415	/ 4.4	W=	.011794	/ 9.2	T=	.751	/ 5.7
LAT= 78.0	U=	1.008	/ 1.2	V=	1.115	/ 4.7	W=	.003338	/ 8.8	T=	.254	/ 5.5
LAT= 84.0	U=	.552	/ 1.7	V=	.792	/ 5.4	W=	.000397	/ 1.0	T=	.038	/ 6.6

Z= 209.865 KM

LAT= 0.0	U=	.829	/ 6.0	V=	0.000	/ 1.8	W=	.040487	/ .8	T=	1.950	/ 9.9
LAT= 6.0	U=	.807	/ 6.0	V=	.688	/ 8.4	W=	.037118	/ .8	T=	1.805	/ 9.9
LAT= 12.0	U=	.742	/ 6.0	V=	1.249	/ 8.4	W=	.027829	/ 1.0	T=	1.404	/ 10.2
LAT= 18.0	U=	.631	/ 6.0	V=	1.585	/ 8.5	W=	.015032	/ 1.6	T=	.853	/ 10.8
LAT= 24.0	U=	.464	/ 6.1	V=	1.660	/ 8.7	W=	.007502	/ 4.3	T=	.476	/ .7
LAT= 30.0	U=	.237	/ 6.4	V=	1.455	/ 8.9	W=	.017564	/ 6.1	T=	.795	/ 2.8
LAT= 36.0	U=	.124	/ 9.8	V=	1.069	/ 9.3	W=	.027549	/ 6.6	T=	1.254	/ 3.4
LAT= 42.0	U=	.379	/ 11.1	V=	.619	/ 10.1	W=	.033337	/ 6.9	T=	1.553	/ 3.7
LAT= 48.0	U=	.666	/ 11.5	V=	.435	/ .3	W=	.034641	/ 7.2	T=	1.639	/ 4.0
LAT= 54.0	U=	.947	/ 11.7	V=	.722	/ 1.9	W=	.032038	/ 7.4	T=	1.532	/ 4.2
LAT= 60.0	U=	1.177	/ 11.8	V=	1.009	/ 2.4	W=	.027009	/ 7.6	T=	1.311	/ 4.3
LAT= 66.0	U=	1.207	/ 11.8	V=	1.130	/ 2.8	W=	.019440	/ 7.8	T=	.950	/ 4.4
LAT= 72.0	U=	1.162	/ 11.9	V=	1.066	/ 3.0	W=	.013675	/ 7.8	T=	.659	/ 4.4
LAT= 78.0	U=	.772	/ 11.9	V=	.829	/ 3.4	W=	.004000	/ 7.4	T=	.218	/ 4.2
LAT= 84.0	U=	.410	/ .4	V=	.578	/ 4.2	W=	.000378	/ 11.2	T=	.040	/ 5.6

Z= 240.988 KM

LAT= 0.0	U=	.652	/ 5.1	V=	0.000	/ 1.8	W=	.042348	/ 11.8	T=	1.639	/ 9.3
LAT= 6.0	U=	.634	/ 5.1	V=	.572	/ 7.3	W=	.038769	/ 11.9	T=	1.524	/ 9.4
LAT= 12.0	U=	.584	/ 5.1	V=	1.044	/ 7.4	W=	.029008	/ .1	T=	1.205	/ 9.7
LAT= 18.0	U=	.497	/ 5.2	V=	1.339	/ 7.5	W=	.015845	/ .7	T=	.775	/ 10.4
LAT= 24.0	U=	.373	/ 5.5	V=	1.415	/ 7.7	W=	.008671	/ 3.3	T=	.512	/ .2
LAT= 30.0	U=	.223	/ 6.3	V=	1.280	/ 7.9	W=	.018832	/ 5.1	T=	.763	/ 1.9
LAT= 36.0	U=	.213	/ 8.5	V=	.984	/ 8.2	W=	.029296	/ 5.6	T=	1.150	/ 2.6
LAT= 42.0	U=	.388	/ 9.6	V=	.614	/ 8.9	W=	.035685	/ 6.0	T=	1.424	/ 3.0
LAT= 48.0	U=	.578	/ 10.1	V=	.367	/ 10.6	W=	.037582	/ 6.2	T=	1.519	/ 3.2
LAT= 54.0	U=	.771	/ 10.5	V=	.522	/ .5	W=	.035353	/ 6.4	T=	1.433	/ 3.4
LAT= 60.0	U=	.956	/ 10.7	V=	.766	/ 1.2	W=	.030349	/ 6.6	T=	1.239	/ 3.6
LAT= 66.0	U=	.991	/ 10.7	V=	.885	/ 1.6	W=	.022279	/ 6.8	T=	.912	/ 3.6
LAT= 72.0	U=	.959	/ 10.8	V=	.845	/ 1.8	W=	.015927	/ 6.8	T=	.637	/ 3.6
LAT= 78.0	U=	.631	/ 10.7	V=	.647	/ 2.2	W=	.005154	/ 6.5	T=	.222	/ 3.4
LAT= 84.0	U=	.321	/ 11.2	V=	.421	/ 2.9	W=	.000851	/ 8.1	T=	.044	/ 4.2

Z= 272.301 KM

LAT= 0.0	U=	.504	/ 4.3	V=	0.000	/ 1.8	W=	.045100	/ 11.1	T=	1.476	/ 8.9
LAT= 6.0	U=	.493	/ 4.3	V=	.512	/ 6.5	W=	.041157	/ 11.2	T=	1.375	/ 9.0
LAT= 12.0	U=	.454	/ 4.4	V=	.935	/ 6.5	W=	.030556	/ 11.4	T=	1.096	/ 9.4
LAT= 18.0	U=	.390	/ 4.6	V=	1.201	/ 6.7	W=	.016588	/ .1	T=	.729	/ 10.1
LAT= 24.0	U=	.303	/ 5.0	V=	1.276	/ 6.8	W=	.009386	/ 2.7	T=	.531	/ 11.9
LAT= 30.0	U=	.221	/ 6.1	V=	1.168	/ 7.1	W=	.020018	/ 4.4	T=	.766	/ 1.5
LAT= 36.0	U=	.270	/ 7.8	V=	.919	/ 7.4	W=	.031117	/ 5.0	T=	1.122	/ 2.2
LAT= 42.0	U=	.430	/ 8.6	V=	.602	/ 8.0	W=	.038165	/ 5.3	T=	1.387	/ 2.5
LAT= 48.0	U=	.579	/ 9.1	V=	.361	/ 9.5	W=	.040653	/ 5.6	T=	1.487	/ 2.8
LAT= 54.0	U=	.714	/ 9.4	V=	.445	/ 11.5	W=	.038784	/ 5.8	T=	1.413	/ 3.0
LAT= 60.0	U=	.860	/ 9.7	V=	.659	/ .3	W=	.033741	/ 6.0	T=	1.229	/ 3.1
LAT= 66.0	U=	.894	/ 9.8	V=	.778	/ .6	W=	.025041	/ 6.1	T=	.915	/ 3.2
LAT= 72.0	U=	.871	/ 9.8	V=	.752	/ .9	W=	.018051	/ 6.1	T=	.644	/ 3.1
LAT= 78.0	U=	.577	/ 9.8	V=	.570	/ 1.1	W=	.006047	/ 5.0	T=	.235	/ 2.9
LAT= 84.0	U=	.291	/ 10.2	V=	.356	/ 1.8	W=	.001653	/ 7.5	T=	.056	/ 3.5

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 304.762 KM

LAT= 0.0	U=	.423 /	3.6	V=	0.000 /	1.8	W=	.048049 /	10.7	T=	1.399 /	8.7
LAT= 6.0	U=	.413 /	3.6	V=	.493 /	5.8	W=	.043763 /	10.8	T=	1.305 /	8.8
LAT= 12.0	U=	.381 /	3.7	V=	.899 /	5.9	W=	.032348 /	11.0	T=	1.044 /	9.2
LAT= 18.0	U=	.328 /	4.1	V=	1.154 /	6.0	W=	.017511 /	11.7	T=	.709 /	10.0
LAT= 24.0	U=	.264 /	4.7	V=	1.228 /	6.2	W=	.009883 /	2.2	T=	.545 /	11.7
LAT= 30.0	U=	.225 /	5.9	V=	1.130 /	6.5	W=	.020960 /	4.0	T=	.776 /	1.2
LAT= 36.0	U=	.312 /	7.3	V=	.900 /	6.8	W=	.032742 /	4.5	T=	1.122 /	1.9
LAT= 42.0	U=	.482 /	8.0	V=	.605 /	7.4	W=	.040412 /	4.9	T=	1.386 /	2.3
LAT= 48.0	U=	.626 /	8.4	V=	.373 /	8.8	W=	.043380 /	5.2	T=	1.491 /	2.5
LAT= 54.0	U=	.737 /	8.7	V=	.431 /	10.7	W=	.041768 /	5.4	T=	1.422 /	2.7
LAT= 60.0	U=	.861 /	9.0	V=	.639 /	11.6	W=	.036609 /	5.5	T=	1.240 /	2.8
LAT= 66.0	U=	.891 /	9.1	V=	.767 /	11.9	W=	.027246 /	5.7	T=	.928 /	2.9
LAT= 72.0	U=	.870 /	9.1	V=	.749 /	.1	W=	.019647 /	5.7	T=	.658 /	2.8
LAT= 78.0	U=	.579 /	9.1	V=	.576 /	.4	W=	.006559 /	5.7	T=	.247 /	2.7
LAT= 84.0	U=	.296 /	9.4	V=	.354 /	1.0	W=	.002234 /	7.1	T=	.066 /	3.1

Z= 336.754 KM

LAT= 0.0	U=	.395 /	3.0	V=	0.000 /	1.8	W=	.050363 /	10.4	T=	1.373 /	8.6
LAT= 6.0	U=	.386 /	3.1	V=	.497 /	5.4	W=	.045851 /	10.5	T=	1.281 /	8.7
LAT= 12.0	U=	.354 /	3.3	V=	.904 /	5.5	W=	.033881 /	10.7	T=	1.027 /	9.1
LAT= 18.0	U=	.304 /	3.7	V=	1.159 /	5.6	W=	.018371 /	11.3	T=	.704 /	9.9
LAT= 24.0	U=	.250 /	4.4	V=	1.235 /	5.8	W=	.010101 /	1.9	T=	.556 /	11.6
LAT= 30.0	U=	.238 /	5.7	V=	1.141 /	6.1	W=	.021448 /	3.7	T=	.790 /	1.1
LAT= 36.0	U=	.350 /	7.0	V=	.916 /	6.4	W=	.033755 /	4.3	T=	1.134 /	1.8
LAT= 42.0	U=	.535 /	7.6	V=	.625 /	7.0	W=	.041838 /	4.6	T=	1.400 /	2.2
LAT= 48.0	U=	.687 /	8.0	V=	.391 /	8.4	W=	.045092 /	4.9	T=	1.510 /	2.4
LAT= 54.0	U=	.793 /	8.3	V=	.444 /	10.3	W=	.043639 /	5.1	T=	1.443 /	2.6
LAT= 60.0	U=	.908 /	8.6	V=	.659 /	11.1	W=	.038389 /	5.3	T=	1.261 /	2.7
LAT= 66.0	U=	.932 /	8.7	V=	.796 /	11.5	W=	.028534 /	5.4	T=	.945 /	2.8
LAT= 72.0	U=	.910 /	8.7	V=	.783 /	11.7	W=	.020506 /	5.4	T=	.672 /	2.7
LAT= 78.0	U=	.604 /	8.7	V=	.605 /	11.9	W=	.006724 /	5.5	T=	.256 /	2.8
LAT= 84.0	U=	.313 /	9.0	V=	.373 /	.4	W=	.002606 /	6.9	T=	.072 /	2.9

Z= 368.753 KM

LAT= 0.0	U=	.394 /	2.7	V=	0.000 /	1.8	W=	.051618 /	10.2	T=	1.373 /	8.5
LAT= 6.0	U=	.383 /	2.8	V=	.507 /	5.1	W=	.047010 /	10.3	T=	1.282 /	8.6
LAT= 12.0	U=	.350 /	3.0	V=	.925 /	5.2	W=	.034793 /	10.5	T=	1.028 /	9.0
LAT= 18.0	U=	.300 /	3.4	V=	1.187 /	5.4	W=	.018909 /	11.1	T=	.709 /	9.9
LAT= 24.0	U=	.250 /	4.2	V=	1.267 /	5.6	W=	.009923 /	1.7	T=	.568 /	11.6
LAT= 30.0	U=	.253 /	5.6	V=	1.173 /	5.8	W=	.021300 /	3.5	T=	.804 /	1.0
LAT= 36.0	U=	.382 /	6.8	V=	.945 /	6.2	W=	.033843 /	4.1	T=	1.152 /	1.7
LAT= 42.0	U=	.582 /	7.4	V=	.650 /	6.8	W=	.042050 /	4.4	T=	1.423 /	2.1
LAT= 48.0	U=	.744 /	7.7	V=	.411 /	8.1	W=	.045382 /	4.7	T=	1.536 /	2.3
LAT= 54.0	U=	.851 /	8.0	V=	.463 /	10.0	W=	.044032 /	5.0	T=	1.469 /	2.5
LAT= 60.0	U=	.962 /	8.3	V=	.668 /	10.9	W=	.038801 /	5.1	T=	1.286 /	2.6
LAT= 66.0	U=	.982 /	8.4	V=	.836 /	11.2	W=	.028763 /	5.3	T=	.965 /	2.7
LAT= 72.0	U=	.958 /	8.4	V=	.823 /	11.4	W=	.020585 /	5.2	T=	.687 /	2.6
LAT= 78.0	U=	.634 /	8.4	V=	.637 /	11.6	W=	.006589 /	5.4	T=	.264 /	2.5
LAT= 84.0	U=	.331 /	8.7	V=	.395 /	.1	W=	.002801 /	6.8	T=	.076 /	2.9

Z= 400.753 KM

LAT= 0.0	U=	.402 /	2.5	V=	0.000 /	1.8	W=	.051713 /	10.0	T=	1.389 /	8.5
LAT= 6.0	U=	.391 /	2.6	V=	.520 /	5.0	W=	.047122 /	10.1	T=	1.296 /	8.6
LAT= 12.0	U=	.357 /	2.8	V=	.948 /	5.1	W=	.034942 /	10.3	T=	1.041 /	9.0
LAT= 18.0	U=	.305 /	3.3	V=	1.217 /	5.2	W=	.019009 /	10.9	T=	.718 /	9.8
LAT= 24.0	U=	.256 /	4.1	V=	1.303 /	5.4	W=	.009308 /	1.4	T=	.580 /	11.6
LAT= 30.0	U=	.266 /	5.6	V=	1.208 /	5.7	W=	.020451 /	3.4	T=	.820 /	1.0
LAT= 36.0	U=	.407 /	6.7	V=	.976 /	6.1	W=	.032889 /	4.0	T=	1.174 /	1.7
LAT= 42.0	U=	.618 /	7.3	V=	.672 /	6.7	W=	.040925 /	4.3	T=	1.451 /	2.1
LAT= 48.0	U=	.787 /	7.6	V=	.427 /	8.0	W=	.044156 /	4.6	T=	1.565 /	2.3
LAT= 54.0	U=	.898 /	7.9	V=	.480 /	9.9	W=	.042887 /	4.9	T=	1.497 /	2.5
LAT= 60.0	U=	1.008 /	8.2	V=	.714 /	10.8	W=	.037819 /	5.0	T=	1.311 /	2.6
LAT= 66.0	U=	1.025 /	8.3	V=	.870 /	11.1	W=	.027954 /	5.2	T=	.985 /	2.7
LAT= 72.0	U=	.998 /	8.3	V=	.858 /	11.3	W=	.019940 /	5.1	T=	.702 /	2.8
LAT= 78.0	U=	.659 /	8.3	V=	.663 /	11.5	W=	.006210 /	5.4	T=	.270 /	2.5
LAT= 84.0	U=	.346 /	8.6	V=	.412 /	.0	W=	.002844 /	6.8	T=	.078 /	2.8

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K

Z= 100.017 KM — T_o = 600 K

LAT= 0.0	U=	0.000	/ 8.0	V=	2.543	/ 5.0	W=	.000001	/ .6	T=	0.000	/ 9.9
LAT= 6.0	U=	.121	/ 8.8	V=	1.843	/ 5.1	W=	.006160	/ 2.5	T=	.487	/ 12.0
LAT= 12.0	U=	.424	/ 8.3	V=	.255	/ 7.2	W=	.009351	/ 2.6	T=	.729	/ 12.0
LAT= 18.0	U=	.889	/ 8.1	V=	1.777	/ 10.6	W=	.008084	/ 2.6	T=	.608	/ .1
LAT= 24.0	U=	1.202	/ 8.1	V=	2.798	/ 10.8	W=	.003027	/ 3.0	T=	.194	/ .6
LAT= 30.0	U=	.989	/ 8.2	V=	2.513	/ 11.0	W=	.003892	/ 8.2	T=	.357	/ 5.6
LAT= 36.0	U=	.281	/ 10.6	V=	1.123	/ 11.7	W=	.009644	/ 8.5	T=	.790	/ 5.9
LAT= 42.0	U=	1.451	/ 1.4	V=	1.262	/ 3.8	W=	.012741	/ 8.6	T=	1.000	/ 6.0
LAT= 48.0	U=	2.968	/ 1.6	V=	3.118	/ 4.5	W=	.012802	/ 8.7	T=	.975	/ 6.1
LAT= 54.0	U=	4.124	/ 1.7	V=	4.395	/ 4.7	W=	.010635	/ 8.8	T=	.789	/ 6.2
LAT= 60.0	U=	4.629	/ 1.8	V=	4.835	/ 4.8	W=	.007541	/ 9.0	T=	.546	/ 6.3
LAT= 66.0	U=	4.438	/ 1.9	V=	4.515	/ 4.9	W=	.004634	/ 9.2	T=	.327	/ 6.5
LAT= 72.0	U=	3.683	/ 2.0	V=	3.657	/ 5.0	W=	.002456	/ 9.5	T=	.169	/ 6.8
LAT= 78.0	U=	2.669	/ 2.0	V=	2.493	/ 5.0	W=	.001862	/ 9.2	T=	.128	/ 6.5
LAT= 84.0	U=	1.268	/ 2.0	V=	1.160	/ 5.1	W=	.000399	/ 8.5	T=	.028	/ 5.8

Z= 103.521 KM

LAT= 0.0	U=	.001	/ 6.1	V=	2.661	/ 3.3	W=	.000001	/ 11.7	T=	0.000	/ 9.1
LAT= 6.0	U=	.142	/ 7.0	V=	1.938	/ 3.3	W=	.006472	/ .8	T=	.554	/ 10.2
LAT= 12.0	U=	.445	/ 6.6	V=	.222	/ 5.0	W=	.009896	/ .9	T=	.841	/ 10.2
LAT= 18.0	U=	.893	/ 6.4	V=	1.867	/ 9.0	W=	.008705	/ 1.0	T=	.727	/ 10.3
LAT= 24.0	U=	1.199	/ 6.3	V=	3.036	/ 9.2	W=	.003522	/ 1.3	T=	.262	/ 10.5
LAT= 30.0	U=	.986	/ 6.3	V=	2.835	/ 9.3	W=	.003735	/ 6.5	T=	.362	/ 4.2
LAT= 36.0	U=	.089	/ 8.1	V=	1.358	/ 9.8	W=	.009859	/ 6.9	T=	.900	/ 4.4
LAT= 42.0	U=	1.486	/ .1	V=	1.185	/ 2.3	W=	.013292	/ 7.1	T=	1.193	/ 4.5
LAT= 48.0	U=	3.199	/ .2	V=	3.336	/ 2.9	W=	.013533	/ 7.3	T=	1.205	/ 4.6
LAT= 54.0	U=	4.594	/ .2	V=	4.943	/ 3.1	W=	.011366	/ 7.5	T=	1.005	/ 4.8
LAT= 60.0	U=	5.314	/ .3	V=	5.618	/ 3.2	W=	.008140	/ 7.7	T=	.717	/ 5.0
LAT= 66.0	U=	5.229	/ .4	V=	5.384	/ 3.3	W=	.005052	/ 7.9	T=	.442	/ 5.2
LAT= 72.0	U=	4.423	/ .4	V=	4.456	/ 3.4	W=	.002615	/ 8.3	T=	.226	/ 5.6
LAT= 78.0	U=	3.361	/ .5	V=	3.090	/ 3.5	W=	.002235	/ 8.0	T=	.196	/ 5.3
LAT= 84.0	U=	1.577	/ .5	V=	1.424	/ 3.6	W=	.000529	/ 7.3	T=	.045	/ 4.6

Z= 107.177 KM

LAT= 0.0	U=	.001	/ 4.1	V=	2.659	/ 1.4	W=	.000002	/ 10.5	T=	0.000	/ 7.6
LAT= 6.0	U=	.165	/ 5.1	V=	1.958	/ 1.4	W=	.006543	/ 11.2	T=	.649	/ 8.4
LAT= 12.0	U=	.450	/ 4.7	V=	.237	/ 1.8	W=	.010016	/ 11.2	T=	1.000	/ 8.5
LAT= 18.0	U=	.846	/ 4.4	V=	1.715	/ 7.4	W=	.008849	/ 11.3	T=	.894	/ 8.5
LAT= 24.0	U=	1.125	/ 4.3	V=	2.945	/ 7.5	W=	.003650	/ 11.6	T=	.382	/ 8.5
LAT= 30.0	U=	.975	/ 4.0	V=	2.885	/ 7.6	W=	.003461	/ 5.1	T=	.324	/ 2.8
LAT= 36.0	U=	.318	/ 2.3	V=	1.341	/ 7.9	W=	.009558	/ 5.4	T=	.951	/ 2.8
LAT= 42.0	U=	1.291	/ 11.0	V=	.729	/ .7	W=	.012935	/ 5.6	T=	1.312	/ 2.9
LAT= 48.0	U=	2.887	/ 10.8	V=	2.912	/ 1.5	W=	.013146	/ 5.8	T=	1.352	/ 3.1
LAT= 54.0	U=	4.268	/ 10.8	V=	4.542	/ 1.7	W=	.010997	/ 6.0	T=	1.145	/ 3.3
LAT= 60.0	U=	5.058	/ 10.8	V=	5.386	/ 1.8	W=	.007837	/ 6.2	T=	.827	/ 3.5
LAT= 66.0	U=	5.073	/ 10.9	V=	5.269	/ 1.9	W=	.004827	/ 6.5	T=	.514	/ 3.8
LAT= 72.0	U=	4.328	/ 11.0	V=	4.428	/ 2.0	W=	.002335	/ 7.0	T=	.248	/ 4.3
LAT= 78.0	U=	3.455	/ 11.1	V=	3.095	/ 2.1	W=	.002331	/ 6.6	T=	.254	/ 3.8
LAT= 84.0	U=	1.596	/ 11.1	V=	1.380	/ 2.2	W=	.000596	/ 6.1	T=	.065	/ 3.3

Z= 111.019 KM

LAT= 0.0	U=	.001	/ 2.1	V=	2.640	/ 11.7	W=	.000002	/ 9.2	T=	0.000	/ 6.0
LAT= 6.0	U=	.185	/ 3.3	V=	2.015	/ 11.7	W=	.006190	/ 9.6	T=	.703	/ 6.7
LAT= 12.0	U=	.455	/ 2.9	V=	.438	/ 11.4	W=	.009500	/ 9.7	T=	1.096	/ 6.7
LAT= 18.0	U=	.801	/ 2.7	V=	1.386	/ 5.9	W=	.008448	/ 9.7	T=	1.012	/ 6.7
LAT= 24.0	U=	1.064	/ 2.4	V=	2.869	/ 6.0	W=	.003562	/ 9.7	T=	.502	/ 6.5
LAT= 30.0	U=	1.017	/ 2.0	V=	2.769	/ 6.0	W=	.003057	/ 4.0	T=	.265	/ 1.9
LAT= 36.0	U=	.664	/ .7	V=	1.639	/ 6.1	W=	.008862	/ 4.0	T=	.914	/ 1.4
LAT= 42.0	U=	1.124	/ 10.3	V=	.217	/ 11.4	W=	.012104	/ 4.2	T=	1.311	/ 1.5
LAT= 48.0	U=	2.363	/ 9.7	V=	2.181	/ .2	W=	.012365	/ 4.3	T=	1.380	/ 1.6
LAT= 54.0	U=	3.538	/ 9.6	V=	3.736	/ .3	W=	.010387	/ 4.5	T=	1.186	/ 1.8
LAT= 60.0	U=	4.267	/ 9.6	V=	4.536	/ .5	W=	.007446	/ 4.7	T=	.871	/ 2.0
LAT= 66.0	U=	4.341	/ 9.6	V=	4.530	/ .6	W=	.004607	/ 5.0	T=	.550	/ 2.3
LAT= 72.0	U=	3.716	/ 9.7	V=	3.851	/ .7	W=	.002155	/ 5.4	T=	.260	/ 2.8
LAT= 78.0	U=	3.117	/ 9.8	V=	2.715	/ .8	W=	.002382	/ 5.0	T=	.290	/ 2.2
LAT= 84.0	U=	1.414	/ 9.8	V=	1.159	/ .9	W=	.000599	/ 4.5	T=	.073	/ 1.7

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 600 K

Z= 115.091 KM

LAT= 0.0	U=	.002 / .4	V=	2.526 / 10.2	W=	.000002 / 7.9	T=	0.000 / 4.6
LAT= 6.0	U=	.199 / 1.6	V=	2.001 / 10.2	W=	.005961 / 8.1	T=	.712 / 5.0
LAT= 12.0	U=	.447 / 1.4	V=	.668 / 9.9	W=	.009218 / 8.1	T=	1.123 / 5.0
LAT= 18.0	U=	.738 / 1.1	V=	.950 / 4.8	W=	.008363 / 8.1	T=	1.072 / 5.0
LAT= 24.0	U=	.971 / .8	V=	2.086 / 4.6	W=	.003913 / 7.8	T=	.609 / 4.7
LAT= 30.0	U=	1.006 / .4	V=	2.333 / 4.7	W=	.002841 / 3.3	T=	.260 / 1.5
LAT= 36.0	U=	.848 / 11.4	V=	1.608 / 4.7	W=	.008302 / 2.8	T=	.824 / .1
LAT= 42.0	U=	1.033 / 9.7	V=	.217 / 4.1	W=	.011558 / 2.9	T=	1.225 / .1
LAT= 48.0	U=	1.830 / 8.8	V=	1.401 / 11.1	W=	.012006 / 3.0	T=	1.322 / .2
LAT= 54.0	U=	2.708 / 8.5	V=	2.723 / 11.2	W=	.010254 / 3.2	T=	1.162 / .4
LAT= 60.0	U=	3.310 / 8.5	V=	3.473 / 11.3	W=	.007507 / 3.4	T=	.875 / .6
LAT= 66.0	U=	3.427 / 8.5	V=	3.573 / 11.4	W=	.004734 / 3.6	T=	.569 / .8
LAT= 72.0	U=	2.956 / 8.6	V=	3.110 / 11.6	W=	.002260 / 4.0	T=	.276 / 1.3
LAT= 78.0	U=	2.607 / 8.6	V=	2.217 / 11.7	W=	.002558 / 3.5	T=	.307 / .6
LAT= 84.0	U=	1.164 / 8.7	V=	.920 / 11.9	W=	.000671 / 2.9	T=	.077 / 11.9

Z= 119.451 KM

LAT= 0.0	U=	.002 / 11.0	V=	2.378 / 9.0	W=	.000002 / 6.6	T=	0.000 / 3.6
LAT= 6.0	U=	.208 / .3	V=	1.944 / 8.9	W=	.006124 / 6.8	T=	.696 / 3.6
LAT= 12.0	U=	.437 / .0	V=	.833 / 8.7	W=	.009517 / 6.8	T=	1.115 / 3.6
LAT= 18.0	U=	.683 / 11.7	V=	.575 / 3.8	W=	.009083 / 6.7	T=	1.105 / 3.5
LAT= 24.0	U=	.886 / 11.4	V=	1.592 / 3.5	W=	.005068 / 6.3	T=	.715 / 3.2
LAT= 30.0	U=	.956 / 11.0	V=	1.932 / 3.4	W=	.003047 / 3.1	T=	.337 / 1.1
LAT= 36.0	U=	.889 / 10.2	V=	1.490 / 3.5	W=	.007966 / 1.9	T=	.718 / 11.2
LAT= 42.0	U=	.952 / 9.0	V=	.480 / 3.1	W=	.011432 / 1.8	T=	1.098 / 10.9
LAT= 48.0	U=	1.424 / 8.0	V=	.818 / 10.3	W=	.012212 / 1.9	T=	1.219 / 11.0
LAT= 54.0	U=	2.044 / 7.6	V=	1.839 / 10.2	W=	.010722 / 2.0	T=	1.103 / 11.1
LAT= 60.0	U=	2.518 / 7.5	V=	2.574 / 10.3	W=	.008098 / 2.2	T=	.857 / 11.3
LAT= 66.0	U=	2.652 / 7.5	V=	2.743 / 10.4	W=	.005254 / 2.4	T=	.576 / 11.5
LAT= 72.0	U=	2.312 / 7.6	V=	2.450 / 10.6	W=	.002614 / 2.8	T=	.296 / 12.0
LAT= 78.0	U=	2.129 / 7.6	V=	1.783 / 10.7	W=	.002818 / 2.1	T=	.300 / 11.2
LAT= 84.0	U=	.941 / 7.6	V=	.742 / 11.0	W=	.000767 / 1.5	T=	.074 / 10.4

Z= 124.175 KM

LAT= 0.0	U=	.001 / 10.0	V=	2.226 / 7.8	W=	.000001 / 5.1	T=	0.000 / 2.9
LAT= 6.0	U=	.209 / 11.1	V=	1.862 / 7.8	W=	.006628 / 5.7	T=	.664 / 2.5
LAT= 12.0	U=	.423 / 10.9	V=	.920 / 7.7	W=	.010615 / 5.6	T=	1.083 / 2.4
LAT= 18.0	U=	.640 / 10.6	V=	.316 / 3.2	W=	.010519 / 5.5	T=	1.119 / 2.3
LAT= 24.0	U=	.820 / 10.2	V=	1.209 / 2.4	W=	.006835 / 5.1	T=	.809 / 2.0
LAT= 30.0	U=	.899 / 9.8	V=	1.592 / 2.4	W=	.003778 / 2.9	T=	.440 / .6
LAT= 36.0	U=	.862 / 9.2	V=	1.340 / 2.3	W=	.007715 / 1.2	T=	.614 / 10.6
LAT= 42.0	U=	.866 / 8.2	V=	.604 / 2.0	W=	.011500 / 1.0	T=	.947 / 10.1
LAT= 48.0	U=	1.143 / 7.2	V=	.471 / 9.8	W=	.012752 / 1.0	T=	1.089 / 10.0
LAT= 54.0	U=	1.583 / 6.7	V=	1.333 / 9.3	W=	.011600 / 1.0	T=	1.021 / 10.1
LAT= 60.0	U=	1.956 / 6.6	V=	1.925 / 9.4	W=	.009101 / 1.2	T=	.825 / 10.3
LAT= 66.0	U=	2.087 / 6.6	V=	2.124 / 9.5	W=	.006116 / 1.4	T=	.575 / 10.5
LAT= 72.0	U=	1.837 / 6.7	V=	1.947 / 9.7	W=	.003178 / 1.8	T=	.309 / 10.9
LAT= 78.0	U=	1.733 / 6.6	V=	1.452 / 9.8	W=	.003185 / 1.0	T=	.281 / 10.0
LAT= 84.0	U=	.764 / 6.7	V=	.627 / 10.2	W=	.000829 / .3	T=	.063 / 9.2

Z= 129.367 KM

LAT= 0.0	U=	.001 / 9.4	V=	2.000 / 6.8	W=	.000001 / 3.6	T=	0.000 / 2.4
LAT= 6.0	U=	.202 / 10.1	V=	1.775 / 6.8	W=	.007330 / 4.7	T=	.624 / 1.5
LAT= 12.0	U=	.404 / 9.9	V=	.966 / 6.7	W=	.011969 / 4.7	T=	1.056 / 1.5
LAT= 18.0	U=	.604 / 9.5	V=	.166 / 5.2	W=	.012382 / 4.6	T=	1.113 / 1.4
LAT= 24.0	U=	.771 / 9.2	V=	.953 / 1.4	W=	.008926 / 4.2	T=	.877 / 1.1
LAT= 30.0	U=	.848 / 8.8	V=	1.349 / 1.3	W=	.004923 / 2.7	T=	.530 / .2
LAT= 36.0	U=	.819 / 8.3	V=	1.198 / 1.3	W=	.007430 / .7	T=	.528 / 10.3
LAT= 42.0	U=	.795 / 7.4	V=	.684 / 1.0	W=	.011549 / .2	T=	.796 / 9.5
LAT= 48.0	U=	.961 / 6.5	V=	.319 / 9.6	W=	.013388 / .2	T=	.954 / 9.3
LAT= 54.0	U=	1.283 / 6.0	V=	.943 / 8.6	W=	.012674 / .3	T=	.933 / 9.4
LAT= 60.0	U=	1.577 / 5.8	V=	1.472 / 8.6	W=	.010353 / .4	T=	.736 / 9.5
LAT= 66.0	U=	1.689 / 5.8	V=	1.668 / 8.7	W=	.007280 / .6	T=	.571 / 9.6
LAT= 72.0	U=	1.496 / 5.9	V=	1.574 / 8.8	W=	.003910 / 1.0	T=	.317 / 10.0
LAT= 78.0	U=	1.413 / 5.7	V=	1.272 / 9.0	W=	.003686 / .0	T=	.263 / 9.0
LAT= 84.0	U=	.626 / 5.9	V=	.551 / 9.5	W=	.000854 / 11.2	T=	.050 / 8.3

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

Z= 135.169 KM											T_o = 600 K
LAT= 0.0	U=	.001 / 9.0	V=	1.985 / 5.9	W=	.000002 / 2.5	T=	**0.000 / 2.1**
LAT= 6.0	U=	.192 / 9.2	V=	1.706 / 5.9	W=	.008135 / 3.9	T=	.584 / .8
LAT= 12.0	U=	.384 / 9.0	V=	.978 / 5.9	W=	.013497 / 3.9	T=	.985 / .7
LAT= 18.0	U=	.577 / 8.6	V=	.130 / 4.0	W=	.014430 / 3.8	T=	1.065 / .7
LAT= 24.0	U=	.738 / 8.3	V=	.735 / .5	W=	.011122 / 3.5	T=	.920 / .5
LAT= 30.0	U=	.815 / 7.9	V=	1.138 / .4	W=	.006282 / 2.5	T=	.600 / 11.8
LAT= 36.0	U=	.795 / 7.4	V=	1.090 / .3	W=	.007068 / .3	T=	.470 / 10.2
LAT= 42.0	U=	.766 / 6.6	V=	.684 / .1	W=	.011452 / 11.6	T=	.661 / 9.0
LAT= 48.0	U=	.877 / 5.8	V=	.311 / 9.9	W=	.013943 / 11.5	T=	.829 / 8.7
LAT= 54.0	U=	1.114 / 5.2	V=	.726 / 8.1	W=	.013740 / 11.6	T=	.848 / 8.7
LAT= 60.0	U=	1.345 / 5.0	V=	1.163 / 7.9	W=	.011650 / 11.8	T=	.746 / 8.8
LAT= 66.0	U=	1.430 / 5.0	V=	1.367 / 7.9	W=	.008517 / 11.9	T=	.562 / 8.9
LAT= 72.0	U=	1.263 / 5.1	V=	1.312 / 8.0	W=	.004729 / .3	T=	.322 / 9.3
LAT= 78.0	U=	1.178 / 4.8	V=	1.024 / 8.2	W=	.004254 / 11.2	T=	.252 / 8.1
LAT= 84.0	U=	.526 / 5.1	V=	.500 / 8.8	W=	.000853 / 10.2	T=	.039 / 7.5
Z= 141.772 KM											
LAT= 0.0	U=	.001 / 8.9	V=	1.918 / 5.1	W=	.000002 / 1.8	T=	0.000 / 1.8
LAT= 6.0	U=	.181 / 8.4	V=	1.666 / 5.1	W=	.009044 / 3.2	T=	.549 / .1
LAT= 12.0	U=	.368 / 8.1	V=	1.004 / 5.0	W=	.015170 / 3.2	T=	.941 / .1
LAT= 18.0	U=	.559 / 7.8	V=	.182 / 4.3	W=	.016584 / 3.1	T=	1.075 / 12.0
LAT= 24.0	U=	.719 / 7.4	V=	.586 / 11.6	W=	.013321 / 2.9	T=	.944 / 11.9
LAT= 30.0	U=	.801 / 7.1	V=	1.001 / 11.5	W=	.007710 / 2.2	T=	.648 / 11.4
LAT= 36.0	U=	.796 / 6.6	V=	1.022 / 11.4	W=	.006659 / .0	T=	.435 / 10.1
LAT= 42.0	U=	.779 / 5.9	V=	.721 / 11.1	W=	.011196 / 11.1	T=	.546 / 8.7
LAT= 48.0	U=	.863 / 5.1	V=	.370 / 9.7	W=	.014352 / 11.0	T=	.717 / 8.2
LAT= 54.0	U=	1.041 / 4.6	V=	.578 / 7.6	W=	.014683 / 11.0	T=	.770 / 8.2
LAT= 60.0	U=	1.220 / 4.4	V=	.951 / 7.2	W=	.012649 / 11.2	T=	.704 / 8.2
LAT= 66.0	U=	1.275 / 4.3	V=	1.154 / 7.2	W=	.009701 / 11.3	T=	.550 / 8.3
LAT= 72.0	U=	1.114 / 4.4	V=	1.138 / 7.3	W=	.005551 / 11.7	T=	.323 / 8.6
LAT= 78.0	U=	1.023 / 4.0	V=	.909 / 7.4	W=	.004787 / 10.6	T=	.244 / 7.5
LAT= 84.0	U=	.460 / 4.3	V=	.468 / 8.0	W=	.000838 / 9.4	T=	.033 / 6.9
Z= 149.425 KM											
LAT= 0.0	U=	.001 / 8.7	V=	1.894 / 4.3	W=	.000003 / 1.5	T=	0.000 / 1.6
LAT= 6.0	U=	.172 / 7.5	V=	1.661 / 4.3	W=	.010107 / 2.5	T=	.521 / 11.5
LAT= 12.0	U=	.356 / 7.3	V=	1.047 / 4.3	W=	.017054 / 2.5	T=	.904 / 11.5
LAT= 18.0	U=	.546 / 7.0	V=	.280 / 4.0	W=	.018878 / 2.5	T=	1.054 / 11.5
LAT= 24.0	U=	.707 / 6.7	V=	.484 / 10.7	W=	.015531 / 2.4	T=	.955 / 11.4
LAT= 30.0	U=	.795 / 6.4	V=	.903 / 10.6	W=	.009159 / 1.9	T=	.660 / 11.1
LAT= 36.0	U=	.809 / 5.9	V=	.967 / 10.6	W=	.006270 / 11.8	T=	.417 / 10.1
LAT= 42.0	U=	.808 / 5.3	V=	.769 / 10.3	W=	.010856 / 10.6	T=	.448 / 8.4
LAT= 48.0	U=	.876 / 4.6	V=	.450 / 9.4	W=	.014672 / 10.4	T=	.617 / 7.8
LAT= 54.0	U=	1.006 / 4.1	V=	.493 / 7.4	W=	.015538 / 10.5	T=	.697 / 7.7
LAT= 60.0	U=	1.140 / 3.8	V=	.749 / 6.7	W=	.013962 / 10.6	T=	.660 / 7.7
LAT= 66.0	U=	1.169 / 3.7	V=	1.001 / 6.6	W=	.010809 / 10.8	T=	.532 / 7.8
LAT= 72.0	U=	1.008 / 3.8	V=	1.014 / 6.6	W=	.006346 / 11.2	T=	.321 / 8.1
LAT= 78.0	U=	.917 / 3.3	V=	.832 / 6.7	W=	.005217 / 10.0	T=	.236 / 6.9
LAT= 84.0	U=	.417 / 3.6	V=	.447 / 7.2	W=	.000792 / 8.9	T=	.030 / 6.6
Z= 158.420 KM											
LAT= 0.0	U=	.001 / 8.5	V=	1.914 / 3.6	W=	.000003 / 1.3	T=	0.000 / 1.3
LAT= 6.0	U=	.169 / 6.6	V=	1.684 / 3.6	W=	.011310 / 2.0	T=	.501 / 11.0
LAT= 12.0	U=	.351 / 6.4	V=	1.106 / 3.6	W=	.019126 / 2.0	T=	.876 / 11.1
LAT= 18.0	U=	.539 / 6.3	V=	.340 / 3.7	W=	.021297 / 2.0	T=	1.035 / 11.1
LAT= 24.0	U=	.696 / 6.1	V=	.372 / 9.8	W=	.017746 / 1.9	T=	.958 / 11.1
LAT= 30.0	U=	.790 / 5.8	V=	.842 / 9.8	W=	.010589 / 1.6	T=	.702 / 10.9
LAT= 36.0	U=	.818 / 5.4	V=	.943 / 9.8	W=	.005935 / 11.6	T=	.412 / 10.1
LAT= 42.0	U=	.821 / 4.8	V=	.831 / 9.6	W=	.010522 / 10.1	T=	.368 / 8.3
LAT= 48.0	U=	.862 / 4.2	V=	.543 / 9.0	W=	.015025 / 9.9	T=	.531 / 7.5
LAT= 54.0	U=	.949 / 3.7	V=	.458 / 7.3	W=	.016441 / 10.0	T=	.631 / 7.3
LAT= 60.0	U=	1.050 / 3.4	V=	.662 / 6.3	W=	.015122 / 10.1	T=	.618 / 7.3
LAT= 66.0	U=	1.065 / 3.1	V=	.875 / 6.1	W=	.011949 / 10.3	T=	.512 / 7.3
LAT= 72.0	U=	.916 / 3.2	V=	.909 / 6.0	W=	.007151 / 10.7	T=	.315 / 7.6
LAT= 78.0	U=	.822 / 2.6	V=	.765 / 6.1	W=	.005552 / 9.5	T=	.225 / 6.5
LAT= 84.0	U=	.383 / 3.0	V=	.435 / 6.6	W=	.000693 / 8.7	T=	.029 / 6.4

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

Z= 181.310 KM — T_o = 600 K

LAT= 0.0	U=	0.000	/ 8.0	V=	2.056	/ 2.5	W=	.000005	/ 1.0	T=	0.000	/ 1.0
LAT= 6.0	U=	.186	/ 5.1	V=	1.837	/ 2.5	W=	.013526	/ 1.1	T=	.483	/ 10.4
LAT= 12.0	U=	.374	/ 5.0	V=	1.248	/ 2.6	W=	.022869	/ 1.1	T=	.848	/ 10.5
LAT= 18.0	U=	.558	/ 5.0	V=	.473	/ 3.0	W=	.025523	/ 1.2	T=	1.016	/ 10.5
LAT= 24.0	U=	.713	/ 4.9	V=	.319	/ 7.9	W=	.021444	/ 1.2	T=	.964	/ 10.6
LAT= 30.0	U=	.805	/ 4.8	V=	.848	/ 8.4	W=	.012854	/ 1.0	T=	.731	/ 10.5
LAT= 36.0	U=	.833	/ 4.5	V=	1.078	/ 8.5	W=	.005339	/ 11.3	T=	.425	/ 10.1
LAT= 42.0	U=	.809	/ 4.1	V=	1.011	/ 8.5	W=	.010239	/ 9.1	T=	.269	/ 9.3
LAT= 48.0	U=	.787	/ 3.5	V=	.750	/ 8.2	W=	.016177	/ 8.9	T=	.411	/ 7.0
LAT= 54.0	U=	.804	/ 2.9	V=	.499	/ 7.3	W=	.018664	/ 9.0	T=	.537	/ 6.7
LAT= 60.0	U=	.869	/ 2.5	V=	.519	/ 5.8	W=	.017826	/ 9.2	T=	.556	/ 6.7
LAT= 66.0	U=	.888	/ 2.2	V=	.683	/ 5.2	W=	.014500	/ 9.4	T=	.479	/ 6.7
LAT= 72.0	U=	.784	/ 2.1	V=	.755	/ 5.0	W=	.008808	/ 9.8	T=	.306	/ 7.0
LAT= 78.0	U=	.675	/ 1.5	V=	.665	/ 5.0	W=	.006133	/ 8.5	T=	.206	/ 5.9
LAT= 84.0	U=	.337	/ 1.9	V=	.428	/ 5.5	W=	.000442	/ 9.0	T=	.032	/ 6.4

Z= 209.865 KM

LAT= 0.0	U=	0.000	/ 7.7	V=	2.224	/ 1.8	W=	.000006	/ .7	T=	0.000	/ .9
LAT= 6.0	U=	.216	/ 4.1	V=	1.993	/ 1.9	W=	.014618	/ .5	T=	.486	/ 10.1
LAT= 12.0	U=	.426	/ 4.2	V=	1.371	/ 2.0	W=	.024679	/ .5	T=	.855	/ 10.2
LAT= 18.0	U=	.618	/ 4.2	V=	.558	/ 2.5	W=	.027479	/ .6	T=	1.029	/ 10.3
LAT= 24.0	U=	.774	/ 4.2	V=	.370	/ 6.7	W=	.022977	/ .6	T=	.986	/ 10.4
LAT= 30.0	U=	.860	/ 4.2	V=	.942	/ 7.6	W=	.013486	/ .4	T=	.761	/ 10.4
LAT= 36.0	U=	.867	/ 4.0	V=	1.231	/ 7.8	W=	.004836	/ 10.6	T=	.446	/ 10.0
LAT= 42.0	U=	.804	/ 3.7	V=	1.200	/ 7.9	W=	.011020	/ 8.4	T=	.235	/ 8.4
LAT= 48.0	U=	.727	/ 3.1	V=	.932	/ 7.8	W=	.017876	/ 8.2	T=	.357	/ 6.7
LAT= 54.0	U=	.705	/ 2.4	V=	.586	/ 7.2	W=	.020886	/ 8.4	T=	.500	/ 6.4
LAT= 60.0	U=	.774	/ 1.8	V=	.443	/ 5.7	W=	.020217	/ 8.6	T=	.535	/ 6.4
LAT= 66.0	U=	.822	/ 1.4	V=	.590	/ 4.6	W=	.016625	/ 8.7	T=	.471	/ 6.4
LAT= 72.0	U=	.755	/ 1.4	V=	.701	/ 4.2	W=	.009985	/ 9.2	T=	.306	/ 6.7
LAT= 78.0	U=	.638	/ .6	V=	.636	/ 4.2	W=	.006537	/ 7.8	T=	.197	/ 5.6
LAT= 84.0	U=	.325	/ 1.2	V=	.441	/ 4.9	W=	.000322	/ 10.1	T=	.036	/ 6.4

Z= 240.988 KM

LAT= 0.0	U=	0.000	/ 7.6	V=	2.341	/ 1.5	W=	.000007	/ .5	T=	0.000	/ .8
LAT= 6.0	U=	.243	/ 3.7	V=	2.100	/ 1.6	W=	.014741	/ .0	T=	.497	/ 10.0
LAT= 12.0	U=	.473	/ 3.8	V=	1.462	/ 1.7	W=	.024852	/ .1	T=	.875	/ 10.1
LAT= 18.0	U=	.678	/ 3.8	V=	.605	/ 2.3	W=	.027545	/ .1	T=	1.055	/ 10.2
LAT= 24.0	U=	.836	/ 3.9	V=	.421	/ 6.3	W=	.022731	/ .1	T=	1.014	/ 10.3
LAT= 30.0	U=	.916	/ 3.9	V=	1.029	/ 7.2	W=	.012825	/ 11.9	T=	.788	/ 10.3
LAT= 36.0	U=	.906	/ 3.8	V=	1.354	/ 7.5	W=	.005182	/ 9.6	T=	.466	/ 10.0
LAT= 42.0	U=	.813	/ 3.5	V=	1.337	/ 7.6	W=	.012869	/ 7.8	T=	.228	/ 8.5
LAT= 48.0	U=	.701	/ 2.9	V=	1.052	/ 7.5	W=	.019856	/ 7.8	T=	.343	/ 6.6
LAT= 54.0	U=	.664	/ 2.1	V=	.693	/ 7.1	W=	.022676	/ 7.9	T=	.497	/ 6.2
LAT= 60.0	U=	.746	/ 1.5	V=	.420	/ 5.6	W=	.021758	/ 8.2	T=	.538	/ 6.2
LAT= 66.0	U=	.820	/ 1.0	V=	.562	/ 4.2	W=	.017862	/ 8.3	T=	.478	/ 6.2
LAT= 72.0	U=	.772	/ 1.0	V=	.703	/ 3.9	W=	.010511	/ 8.8	T=	.312	/ 6.6
LAT= 78.0	U=	.652	/ .1	V=	.644	/ 3.8	W=	.006763	/ 7.2	T=	.197	/ 5.5
LAT= 84.0	U=	.331	/ .8	V=	.453	/ 4.6	W=	.000308	/ 11.6	T=	.038	/ 6.4

Z= 272.801 KM

LAT= 0.0	U=	0.000	/ 7.5	V=	2.419	/ 1.4	W=	.000007	/ .3	T=	0.000	/ .8
LAT= 6.0	U=	.262	/ 3.5	V=	2.172	/ 1.4	W=	.014390	/ 11.7	T=	.510	/ 10.0
LAT= 12.0	U=	.508	/ 3.6	V=	1.564	/ 1.6	W=	.024226	/ 11.7	T=	.899	/ 10.1
LAT= 18.0	U=	.722	/ 3.7	V=	.633	/ 2.2	W=	.026709	/ 11.7	T=	1.085	/ 10.2
LAT= 24.0	U=	.884	/ 3.7	V=	.454	/ 6.1	W=	.021707	/ 11.7	T=	1.044	/ 10.2
LAT= 30.0	U=	.960	/ 3.8	V=	1.088	/ 7.0	W=	.011912	/ 11.3	T=	.812	/ 10.3
LAT= 36.0	U=	.940	/ 3.7	V=	1.435	/ 7.3	W=	.007086	/ 8.7	T=	.482	/ 10.0
LAT= 42.0	U=	.828	/ 3.4	V=	1.424	/ 7.4	W=	.015355	/ 7.5	T=	.231	/ 8.5
LAT= 48.0	U=	.695	/ 2.8	V=	1.126	/ 7.4	W=	.021915	/ 7.5	T=	.345	/ 6.6
LAT= 54.0	U=	.651	/ 1.9	V=	.697	/ 7.1	W=	.024093	/ 7.6	T=	.505	/ 6.2
LAT= 60.0	U=	.744	/ 1.3	V=	.417	/ 5.6	W=	.022636	/ 7.9	T=	.550	/ 6.2
LAT= 66.0	U=	.834	/ .8	V=	.558	/ 4.1	W=	.018384	/ 8.1	T=	.490	/ 6.2
LAT= 72.0	U=	.794	/ .8	V=	.719	/ 3.7	W=	.010592	/ 8.5	T=	.321	/ 6.5
LAT= 78.0	U=	.671	/ 11.9	V=	.659	/ 3.6	W=	.007000	/ 6.7	T=	.201	/ 5.5
LAT= 84.0	U=	.340	/ .7	V=	.461	/ 4.5	W=	.000428	/ 1.0	T=	.040	/ 6.4

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 600 K

Z= 304.752 KM

LAT= 0.0	U=	0.000	/ 7.5	V=	2.479	/ 1.3	W=	.000008	/ .1	T=	0.000	/ .8
LAT= 6.0	U=	.275	/ 3.4	V=	2.226	/ 1.3	W=	.013938	/ 11.3	T=	.525	/ 10.0
LAT= 12.0	U=	.532	/ 3.5	V=	1.614	/ 1.5	W=	.023470	/ 11.3	T=	.925	/ 10.0
LAT= 18.0	U=	.754	/ 3.6	V=	.853	/ 2.2	W=	.025833	/ 11.3	T=	1.117	/ 10.1
LAT= 24.0	U=	.919	/ 3.7	V=	.474	/ 6.0	W=	.020920	/ 11.1	T=	1.075	/ 10.2
LAT= 30.0	U=	.993	/ 3.7	V=	1.129	/ 7.0	W=	.012022	/ 10.4	T=	.837	/ 10.3
LAT= 36.0	U=	.967	/ 3.6	V=	1.440	/ 7.2	W=	.010263	/ 8.2	T=	.497	/ 10.0
LAT= 42.0	U=	.844	/ 3.3	V=	1.482	/ 7.4	W=	.018235	/ 7.3	T=	.237	/ 8.5
LAT= 48.0	U=	.699	/ 2.7	V=	1.174	/ 7.4	W=	.024046	/ 7.2	T=	.353	/ 6.6
LAT= 54.0	U=	.651	/ 1.9	V=	.726	/ 7.1	W=	.025333	/ 7.4	T=	.517	/ 6.2
LAT= 60.0	U=	.750	/ 1.2	V=	.421	/ 5.6	W=	.023177	/ 7.6	T=	.564	/ 6.2
LAT= 66.0	U=	.850	/ .7	V=	.562	/ 4.0	W=	.018491	/ 7.8	T=	.503	/ 6.2
LAT= 72.0	U=	.815	/ .7	V=	.736	/ 3.6	W=	.010424	/ 8.2	T=	.329	/ 6.5
LAT= 78.0	U=	.668	/ 11.8	V=	.675	/ 3.5	W=	.007353	/ 6.3	T=	.200	/ 5.5
LAT= 84.0	U=	.347	/ .6	V=	.468	/ 4.5	W=	.000679	/ 1.8	T=	.041	/ 6.4

Z= 331.754 KM

LAT= 0.0	U=	0.000	/ 7.4	V=	2.531	/ 1.3	W=	.000009	/ 11.9	T=	0.000	/ .8
LAT= 6.0	U=	.284	/ 3.4	V=	2.274	/ 1.3	W=	.013701	/ 10.8	T=	.539	/ 10.0
LAT= 12.0	U=	.550	/ 3.4	V=	1.579	/ 1.5	W=	.023175	/ 10.8	T=	.950	/ 10.0
LAT= 18.0	U=	.777	/ 3.5	V=	.869	/ 2.2	W=	.025739	/ 10.7	T=	1.148	/ 10.1
LAT= 24.0	U=	.945	/ 3.6	V=	.490	/ 6.0	W=	.021381	/ 10.5	T=	1.105	/ 10.2
LAT= 30.0	U=	1.021	/ 3.7	V=	1.161	/ 6.9	W=	.014136	/ 9.6	T=	.861	/ 10.3
LAT= 36.0	U=	.990	/ 3.6	V=	1.503	/ 7.2	W=	.014268	/ 7.9	T=	.511	/ 10.0
LAT= 42.0	U=	.860	/ 3.3	V=	1.525	/ 7.4	W=	.021417	/ 7.2	T=	.243	/ 8.5
LAT= 48.0	U=	.707	/ 2.7	V=	1.210	/ 7.4	W=	.026301	/ 7.0	T=	.361	/ 6.6
LAT= 54.0	U=	.657	/ 1.8	V=	.748	/ 7.1	W=	.026583	/ 7.1	T=	.530	/ 6.2
LAT= 60.0	U=	.761	/ 1.1	V=	.428	/ 5.6	W=	.023641	/ 7.4	T=	.579	/ 6.2
LAT= 66.0	U=	.867	/ .7	V=	.571	/ 4.0	W=	.018442	/ 7.5	T=	.517	/ 6.2
LAT= 72.0	U=	.833	/ .7	V=	.752	/ 3.5	W=	.010174	/ 7.9	T=	.339	/ 6.5
LAT= 78.0	U=	.703	/ 11.7	V=	.689	/ 3.5	W=	.007868	/ 6.0	T=	.211	/ 5.5
LAT= 84.0	U=	.355	/ .5	V=	.475	/ 4.5	W=	.001007	/ 2.2	T=	.042	/ 6.4

Z= 368.753 KM

LAT= 0.0	U=	0.000	/ 7.4	V=	2.582	/ 1.3	W=	.000010	/ 11.8	T=	0.000	/ .8
LAT= 6.0	U=	.292	/ 3.3	V=	2.320	/ 1.3	W=	.013920	/ 10.4	T=	.553	/ 10.0
LAT= 12.0	U=	.564	/ 3.4	V=	1.611	/ 1.5	W=	.023808	/ 10.3	T=	.975	/ 10.0
LAT= 18.0	U=	.797	/ 3.5	V=	.883	/ 2.1	W=	.027064	/ 10.2	T=	1.177	/ 10.1
LAT= 24.0	U=	.968	/ 3.6	V=	.502	/ 6.0	W=	.023757	/ 9.9	T=	1.133	/ 10.2
LAT= 30.0	U=	1.044	/ 3.7	V=	1.188	/ 6.9	W=	.018215	/ 9.1	T=	.882	/ 10.3
LAT= 36.0	U=	1.011	/ 3.6	V=	1.569	/ 7.2	W=	.018826	/ 7.8	T=	.524	/ 10.0
LAT= 42.0	U=	.877	/ 3.3	V=	1.561	/ 7.3	W=	.024797	/ 7.1	T=	.249	/ 8.5
LAT= 48.0	U=	.718	/ 2.7	V=	1.239	/ 7.4	W=	.028650	/ 6.9	T=	.370	/ 6.6
LAT= 54.0	U=	.666	/ 1.8	V=	.766	/ 7.1	W=	.027903	/ 6.9	T=	.543	/ 6.2
LAT= 60.0	U=	.775	/ 1.1	V=	.435	/ 5.6	W=	.024154	/ 7.1	T=	.594	/ 6.2
LAT= 66.0	U=	.884	/ .6	V=	.580	/ 4.0	W=	.018386	/ 7.3	T=	.529	/ 6.2
LAT= 72.0	U=	.850	/ .7	V=	.767	/ 3.5	W=	.009966	/ 7.5	T=	.347	/ 6.5
LAT= 78.0	U=	.717	/ 11.7	V=	.703	/ 3.5	W=	.008548	/ 5.6	T=	.217	/ 5.5
LAT= 84.0	U=	.362	/ .5	V=	.483	/ 4.5	W=	.001379	/ 2.4	T=	.044	/ 6.4

Z= 400.753 KM

LAT= 0.0	U=	0.000	/ 7.4	V=	2.631	/ 1.2	W=	.000012	/ 11.7	T=	0.000	/ .8
LAT= 6.0	U=	.298	/ 3.3	V=	2.365	/ 1.3	W=	.014718	/ 9.9	T=	.565	/ 10.0
LAT= 12.0	U=	.576	/ 3.4	V=	1.643	/ 1.5	W=	.025580	/ 9.9	T=	.996	/ 10.0
LAT= 18.0	U=	.814	/ 3.5	V=	.697	/ 2.1	W=	.030018	/ 9.7	T=	1.203	/ 10.1
LAT= 24.0	U=	.989	/ 3.6	V=	.513	/ 6.0	W=	.028022	/ 9.4	T=	1.159	/ 10.2
LAT= 30.0	U=	1.065	/ 3.6	V=	1.213	/ 6.9	W=	.023613	/ 8.7	T=	.903	/ 10.3
LAT= 36.0	U=	1.032	/ 3.6	V=	1.601	/ 7.2	W=	.023681	/ 7.6	T=	.536	/ 10.0
LAT= 42.0	U=	.893	/ 3.3	V=	1.595	/ 7.3	W=	.028153	/ 7.0	T=	.254	/ 8.5
LAT= 48.0	U=	.732	/ 2.7	V=	1.266	/ 7.4	W=	.030891	/ 6.7	T=	.378	/ 6.6
LAT= 54.0	U=	.677	/ 1.8	V=	.783	/ 7.1	W=	.029172	/ 6.7	T=	.557	/ 6.2
LAT= 60.0	U=	.789	/ 1.1	V=	.442	/ 5.6	W=	.024684	/ 6.8	T=	.607	/ 6.2
LAT= 66.0	U=	.901	/ .6	V=	.590	/ 4.0	W=	.018360	/ 6.9	T=	.542	/ 6.2
LAT= 72.0	U=	.867	/ .7	V=	.782	/ 3.5	W=	.009873	/ 7.2	T=	.355	/ 6.5
LAT= 78.0	U=	.732	/ 11.7	V=	.717	/ 3.5	W=	.009341	/ 5.3	T=	.222	/ 5.5
LAT= 84.0	U=	.369	/ .5	V=	.491	/ 4.5	W=	.001774	/ 2.8	T=	.045	/ 6.4

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

Z= 100.017 KM — T_o = 800 K

LAT= 0.0	U=	0.000	7.9	V=	2.366	4.9	W=	0.000000	.3	T=	0.000	9.5
LAT= 6.0	U=	.094	8.8	V=	1.718	5.0	W=	.005691	2.5	T=	.487	11.9
LAT= 12.0	U=	.367	8.2	V=	.185	6.7	W=	.008647	2.6	T=	.732	11.9
LAT= 18.0	U=	.802	8.0	V=	1.635	10.7	W=	.007486	2.6	T=	.617	12.0
LAT= 24.0	U=	1.110	7.9	V=	2.611	10.8	W=	.002768	2.8	T=	.200	.1
LAT= 30.0	U=	.931	8.0	V=	2.373	11.0	W=	.003540	8.4	T=	.335	5.8
LAT= 36.0	U=	.159	9.8	V=	1.053	11.4	W=	.008971	8.5	T=	.777	5.9
LAT= 42.0	U=	1.277	1.6	V=	1.044	4.0	W=	.011946	8.6	T=	1.000	6.0
LAT= 48.0	U=	2.734	1.7	V=	2.855	4.6	W=	.012095	8.7	T=	.986	6.0
LAT= 54.0	U=	3.875	1.8	V=	4.122	4.7	W=	.010138	8.8	T=	.807	6.1
LAT= 60.0	U=	4.407	1.9	V=	4.604	4.8	W=	.007260	8.9	T=	.566	6.2
LAT= 66.0	U=	4.281	1.9	V=	4.349	4.9	W=	.004520	9.1	T=	.345	6.4
LAT= 72.0	U=	3.581	2.0	V=	3.555	5.0	W=	.002371	9.3	T=	.176	6.6
LAT= 78.0	U=	2.652	2.0	V=	2.441	5.0	W=	.002010	9.1	T=	.150	6.4
LAT= 84.0	U=	1.247	2.0	V=	1.122	5.1	W=	.000433	8.7	T=	.033	6.0

Z= 103.521 KM

LAT= 0.0	U=	.001	6.1	V=	2.448	3.2	W=	.000001	11.5	T=	0.000	8.7
LAT= 6.0	U=	.111	6.9	V=	1.797	3.2	W=	.005724	.8	T=	.533	10.1
LAT= 12.0	U=	.382	6.4	V=	.188	4.0	W=	.008777	.8	T=	.814	10.1
LAT= 18.0	U=	.800	6.3	V=	1.635	9.1	W=	.007770	.8	T=	.715	10.1
LAT= 24.0	U=	1.108	6.2	V=	2.731	9.1	W=	.003166	.9	T=	.278	10.1
LAT= 30.0	U=	.962	6.1	V=	2.603	9.2	W=	.003113	6.8	T=	.313	4.4
LAT= 36.0	U=	.174	5.4	V=	1.289	9.5	W=	.008692	7.0	T=	.833	4.4
LAT= 42.0	U=	1.203	.3	V=	.822	2.5	W=	.011893	7.1	T=	1.127	4.4
LAT= 48.0	U=	2.760	.3	V=	2.851	3.1	W=	.012249	7.2	T=	1.153	4.5
LAT= 54.0	U=	4.065	.3	V=	4.363	3.2	W=	.010401	7.3	T=	.973	4.7
LAT= 60.0	U=	4.777	.3	V=	5.034	3.3	W=	.007535	7.5	T=	.704	4.8
LAT= 66.0	U=	4.756	.4	V=	4.891	3.4	W=	.004730	7.7	T=	.437	5.0
LAT= 72.0	U=	4.069	.4	V=	4.086	3.4	W=	.002434	8.0	T=	.224	5.2
LAT= 78.0	U=	3.137	.5	V=	2.853	3.5	W=	.002298	7.9	T=	.213	5.1
LAT= 84.0	U=	1.461	.5	V=	1.306	3.5	W=	.000533	7.4	T=	.048	4.7

Z= 107.177 KM

LAT= 0.0	U=	.001	4.0	V=	2.402	1.3	W=	.000001	10.3	T=	0.000	7.3
LAT= 6.0	U=	.131	4.9	V=	1.805	1.3	W=	.005776	11.1	T=	.624	8.3
LAT= 12.0	U=	.383	4.5	V=	.302	1.1	W=	.008898	11.1	T=	.969	8.3
LAT= 18.0	U=	.752	4.3	V=	1.409	7.4	W=	.007983	11.1	T=	.885	8.3
LAT= 24.0	U=	1.044	4.2	V=	2.534	7.4	W=	.003493	11.1	T=	.419	8.1
LAT= 30.0	U=	.984	3.9	V=	2.565	7.5	W=	.002697	5.5	T=	.266	3.2
LAT= 36.0	U=	.475	2.8	V=	1.469	7.5	W=	.008175	5.5	T=	.855	2.8
LAT= 42.0	U=	.969	11.4	V=	.355	1.3	W=	.011329	5.5	T=	1.210	2.9
LAT= 48.0	U=	2.317	10.9	V=	2.293	1.6	W=	.011701	5.7	T=	1.267	3.0
LAT= 54.0	U=	3.542	10.8	V=	3.800	1.7	W=	.009924	5.8	T=	1.084	3.1
LAT= 60.0	U=	4.293	10.8	V=	4.559	1.8	W=	.007171	6.0	T=	.793	3.3
LAT= 66.0	U=	4.358	10.9	V=	4.527	1.9	W=	.004456	6.2	T=	.492	3.5
LAT= 72.0	U=	3.779	10.9	V=	3.847	2.0	W=	.002149	6.4	T=	.238	3.7
LAT= 78.0	U=	3.056	11.1	V=	2.711	2.0	W=	.002392	6.4	T=	.271	3.6
LAT= 84.0	U=	1.401	11.0	V=	1.204	2.1	W=	.000605	6.1	T=	.067	3.4

Z= 111.019 KM

LAT= 0.0	U=	.001	2.0	V=	2.408	11.6	W=	.000002	8.9	T=	0.000	5.8
LAT= 6.0	U=	.151	3.1	V=	1.871	11.5	W=	.005476	9.5	T=	.685	6.5
LAT= 12.0	U=	.395	2.8	V=	.509	11.2	W=	.008501	9.5	T=	1.079	6.5
LAT= 18.0	U=	.731	2.5	V=	1.107	5.9	W=	.007791	9.4	T=	1.024	6.5
LAT= 24.0	U=	1.020	2.3	V=	2.207	5.9	W=	.003794	9.2	T=	.568	6.2
LAT= 30.0	U=	1.053	2.0	V=	2.410	5.8	W=	.002338	4.7	T=	.240	2.7
LAT= 36.0	U=	.762	1.1	V=	1.540	5.6	W=	.007292	4.1	T=	.807	1.4
LAT= 42.0	U=	.953	10.8	V=	.142	3.8	W=	.010296	4.1	T=	1.195	1.4
LAT= 48.0	U=	1.814	9.8	V=	1.642	.3	W=	.010757	4.2	T=	1.279	1.4
LAT= 54.0	U=	2.831	9.5	V=	2.942	.3	W=	.009203	4.3	T=	1.114	1.6
LAT= 60.0	U=	3.513	9.5	V=	3.724	.4	W=	.006727	4.5	T=	.827	1.7
LAT= 66.0	U=	3.618	9.5	V=	3.781	.5	W=	.004192	4.7	T=	.518	1.9
LAT= 72.0	U=	3.160	9.6	V=	3.298	.6	W=	.001985	4.8	T=	.245	2.1
LAT= 78.0	U=	2.690	9.7	V=	2.337	.7	W=	.002429	4.8	T=	.309	2.0
LAT= 84.0	U=	1.207	9.7	V=	.974	.7	W=	.000610	4.6	T=	.078	1.8

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 115.091 KM

LAT= 0.0	U=	.001	/ .3	V=	2.314	/ 10.1	W=	.000002	/ 7.5	T=	0.000 / 4.3
LAT= 6.0	U=	.167	/ 1.5	V=	1.861	/ 10.1	W=	.005243	/ 7.9	T=	.701 / 4.9
LAT= 12.0	U=	.394	/ 1.2	V=	.702	/ 9.8	W=	.008255	/ 7.9	T=	1.123 / 4.8
LAT= 18.0	U=	.686	/ 1.0	V=	.726	/ 4.7	W=	.007851	/ 7.8	T=	1.111 / 4.8
LAT= 24.0	U=	.949	/ .7	V=	1.770	/ 4.4	W=	.004478	/ 7.4	T=	.711 / 4.4
LAT= 30.0	U=	1.041	/ .4	V=	2.060	/ 4.4	W=	.002405	/ 4.3	T=	.304 / 2.3
LAT= 36.0	U=	.902	/ 11.7	V=	1.566	/ 4.3	W=	.006420	/ 3.0	T=	.700 / .2
LAT= 42.0	U=	.845	/ 10.2	V=	.511	/ 3.5	W=	.009304	/ 2.8	T=	1.081 / 12.0
LAT= 48.0	U=	1.372	/ 8.9	V=	.991	/ 11.4	W=	.009943	/ 2.8	T=	1.194 / 12.0
LAT= 54.0	U=	2.107	/ 8.5	V=	2.109	/ 11.2	W=	.008680	/ 2.9	T=	1.065 / .1
LAT= 60.0	U=	2.666	/ 8.3	V=	2.784	/ 11.2	W=	.006513	/ 3.1	T=	.813 / .2
LAT= 66.0	U=	2.790	/ 8.3	V=	2.920	/ 11.3	W=	.004118	/ 3.2	T=	.522 / .4
LAT= 72.0	U=	2.465	/ 8.3	V=	2.569	/ 11.3	W=	.001992	/ 3.3	T=	.252 / .6
LAT= 78.0	U=	2.218	/ 8.4	V=	1.842	/ 11.4	W=	.002546	/ 3.3	T=	.329 / .3
LAT= 84.0	U=	.975	/ 8.4	V=	.744	/ 11.5	W=	.000659	/ 3.0	T=	.083 / 12.0

Z= 119.451 KM

LAT= 0.0	U=	.001	/ 10.9	V=	2.164	/ 8.8	W=	.000002	/ 6.1	T=	0.000 / 3.2
LAT= 6.0	U=	.174	/ .1	V=	1.792	/ 8.8	W=	.005361	/ 6.5	T=	.697 / 3.4
LAT= 12.0	U=	.383	/ 11.9	V=	.829	/ 8.6	W=	.008606	/ 6.5	T=	1.136 / 3.3
LAT= 18.0	U=	.630	/ 11.6	V=	.367	/ 3.6	W=	.008583	/ 6.3	T=	1.171 / 3.2
LAT= 24.0	U=	.860	/ 11.3	V=	1.322	/ 3.1	W=	.005697	/ 5.9	T=	.841 / 2.9
LAT= 30.0	U=	.973	/ 11.0	V=	1.708	/ 3.1	W=	.003054	/ 3.9	T=	.428 / 1.6
LAT= 36.0	U=	.916	/ 10.5	V=	1.441	/ 3.0	W=	.005792	/ 2.1	T=	.587 / 11.3
LAT= 42.0	U=	.825	/ 9.4	V=	.703	/ 2.5	W=	.008639	/ 1.7	T=	.924 / 10.8
LAT= 48.0	U=	1.048	/ 8.2	V=	.560	/ 11.0	W=	.009530	/ 1.7	T=	1.057 / 10.7
LAT= 54.0	U=	1.521	/ 7.5	V=	1.395	/ 10.2	W=	.008554	/ 1.7	T=	.972 / 10.8
LAT= 60.0	U=	1.949	/ 7.3	V=	1.982	/ 10.1	W=	.006637	/ 1.8	T=	.769 / 10.9
LAT= 66.0	U=	2.079	/ 7.2	V=	2.165	/ 10.2	W=	.004279	/ 1.9	T=	.507 / 11.0
LAT= 72.0	U=	1.864	/ 7.2	V=	1.959	/ 10.3	W=	.002141	/ 2.1	T=	.256 / 11.2
LAT= 78.0	U=	1.780	/ 7.3	V=	1.434	/ 10.3	W=	.002696	/ 1.9	T=	.321 / 10.8
LAT= 84.0	U=	.767	/ 7.3	V=	.563	/ 10.5	W=	.000728	/ 1.5	T=	.092 / 10.4

Z= 124.175 KM

LAT= 0.0	U=	.001	/ 9.8	V=	1.946	/ 7.6	W=	.000002	/ 4.7	T=	0.000 / 2.3
LAT= 6.0	U=	.174	/ 10.9	V=	1.689	/ 7.6	W=	.005744	/ 5.3	T=	.673 / 2.1
LAT= 12.0	U=	.365	/ 10.7	V=	.983	/ 7.6	W=	.009410	/ 5.3	T=	1.117 / 2.1
LAT= 18.0	U=	.581	/ 10.4	V=	.147	/ 2.8	W=	.009823	/ 5.1	T=	1.197 / 2.0
LAT= 24.0	U=	.763	/ 10.1	V=	.975	/ 1.9	W=	.007274	/ 4.8	T=	.938 / 1.7
LAT= 30.0	U=	.899	/ 9.8	V=	1.391	/ 1.9	W=	.004121	/ 3.5	T=	.547 / .8
LAT= 36.0	U=	.877	/ 9.4	V=	1.226	/ 1.8	W=	.005355	/ 1.4	T=	.497 / 10.8
LAT= 42.0	U=	.777	/ 8.6	V=	.778	/ 1.4	W=	.008177	/ .8	T=	.758 / 9.9
LAT= 48.0	U=	.830	/ 7.5	V=	.368	/ 11.0	W=	.009409	/ .6	T=	.906 / 9.7
LAT= 54.0	U=	1.109	/ 6.7	V=	.908	/ 9.4	W=	.008764	/ .6	T=	.866 / 9.6
LAT= 60.0	U=	1.426	/ 6.4	V=	1.393	/ 9.2	W=	.007075	/ .7	T=	.716 / 9.7
LAT= 66.0	U=	1.546	/ 6.3	V=	1.591	/ 9.2	W=	.004705	/ .8	T=	.487 / 9.8
LAT= 72.0	U=	1.407	/ 6.3	V=	1.484	/ 9.3	W=	.002425	/ 1.0	T=	.256 / 10.0
LAT= 78.0	U=	1.407	/ 6.2	V=	1.116	/ 9.4	W=	.002947	/ .6	T=	.298 / 9.5
LAT= 84.0	U=	.599	/ 6.3	V=	.445	/ 9.7	W=	.000782	/ .1	T=	.072 / 9.0

Z= 129.367 KM

LAT= 0.0	U=	.001	/ 9.1	V=	1.840	/ 6.6	W=	.000002	/ 3.4	T=	0.000 / 1.7
LAT= 6.0	U=	.169	/ 9.9	V=	1.579	/ 6.6	W=	.006203	/ 4.3	T=	.630 / 1.1
LAT= 12.0	U=	.348	/ 9.7	V=	.850	/ 6.6	W=	.010350	/ 4.3	T=	1.064 / 1.1
LAT= 18.0	U=	.542	/ 9.3	V=	.336	/ 5.2	W=	.011213	/ 4.2	T=	1.180 / 1.0
LAT= 24.0	U=	.727	/ 9.0	V=	.740	/ .7	W=	.008940	/ 3.9	T=	.989 / .8
LAT= 30.0	U=	.839	/ 8.7	V=	1.157	/ .7	W=	.005385	/ 3.0	T=	.635 / .2
LAT= 36.0	U=	.829	/ 8.4	V=	1.149	/ .7	W=	.005051	/ .9	T=	.445 / 10.5
LAT= 42.0	U=	.727	/ 7.8	V=	.747	/ .4	W=	.007726	/ 12.0	T=	.608 / 9.2
LAT= 48.0	U=	.692	/ 6.8	V=	.342	/ 11.0	W=	.009355	/ 11.8	T=	.751 / 8.8
LAT= 54.0	U=	.836	/ 5.9	V=	.803	/ 8.8	W=	.009109	/ 11.7	T=	.765 / 8.7
LAT= 60.0	U=	1.066	/ 5.5	V=	.985	/ 8.3	W=	.007679	/ 11.8	T=	.664 / 8.8
LAT= 66.0	U=	1.165	/ 5.4	V=	1.173	/ 8.3	W=	.005318	/ 11.9	T=	.471 / 8.8
LAT= 72.0	U=	1.069	/ 5.3	V=	1.128	/ 8.4	W=	.002819	/ 12.0	T=	.254 / 9.0
LAT= 78.0	U=	1.095	/ 5.2	V=	.874	/ 8.5	W=	.003348	/ 11.4	T=	.281 / 8.3
LAT= 84.0	U=	.466	/ 5.4	V=	.374	/ 9.0	W=	.000822	/ 10.9	T=	.061 / 7.7

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 135.169 KM

LAT= 0.0	U=	.001	/ 8.7	V=	1.711	/ 5.6	W=	.000002	/ 2.5	T=	0.000	/ 1.3
LAT= 6.0	U=	.160	/ 9.0	V=	1.482	/ 5.6	W=	.006611	/ 3.4	T=	.578	/ .3
LAT= 12.0	U=	.329	/ 8.7	V=	.877	/ 5.7	W=	.011197	/ 3.4	T=	.990	/ .2
LAT= 18.0	U=	.513	/ 8.4	V=	.106	/ 6.2	W=	.012487	/ 3.3	T=	1.133	/ .2
LAT= 24.0	U=	.689	/ 8.0	V=	.590	/ 11.6	W=	.010481	/ 3.1	T=	.999	/ 12.0
LAT= 30.0	U=	.797	/ 7.8	V=	1.000	/ 11.6	W=	.006670	/ 2.4	T=	.690	/ 11.6
LAT= 36.0	U=	.793	/ 7.5	V=	1.053	/ 11.6	W=	.004682	/ .7	T=	.430	/ 10.3
LAT= 42.0	U=	.695	/ 7.0	V=	.803	/ 11.4	W=	.007149	/ 11.4	T=	.484	/ 8.7
LAT= 48.0	U=	.620	/ 6.1	V=	.445	/ 10.5	W=	.009146	/ 11.1	T=	.633	/ 8.1
LAT= 54.0	U=	.679	/ 5.2	V=	.431	/ 8.4	W=	.009333	/ 11.0	T=	.672	/ 8.0
LAT= 60.0	U=	.842	/ 4.7	V=	.711	/ 7.6	W=	.008205	/ 11.1	T=	.614	/ 8.0
LAT= 66.0	U=	.912	/ 4.5	V=	.884	/ 7.4	W=	.005922	/ 11.1	T=	.456	/ 8.0
LAT= 72.0	U=	.834	/ 4.4	V=	.879	/ 7.5	W=	.003231	/ 11.3	T=	.252	/ 8.1
LAT= 78.0	U=	.863	/ 4.2	V=	.702	/ 7.6	W=	.003776	/ 10.5	T=	.272	/ 7.3
LAT= 84.0	U=	.370	/ 4.5	V=	.329	/ 8.2	W=	.000831	/ 9.9	T=	.052	/ 6.7

Z= 141.772 KM

LAT= 0.0	U=	.001	/ 8.5	V=	1.604	/ 4.7	W=	.000002	/ 1.8	T=	0.000	/ .9
LAT= 6.0	U=	.150	/ 8.1	V=	1.401	/ 4.7	W=	.006966	/ 2.6	T=	.525	/ 11.5
LAT= 12.0	U=	.311	/ 7.9	V=	.862	/ 4.8	W=	.011931	/ 2.6	T=	.912	/ 11.4
LAT= 18.0	U=	.489	/ 7.5	V=	.101	/ 5.3	W=	.013593	/ 2.5	T=	1.071	/ 11.4
LAT= 24.0	U=	.657	/ 7.2	V=	.482	/ 10.5	W=	.011833	/ 2.4	T=	.984	/ 11.3
LAT= 30.0	U=	.763	/ 6.9	V=	.886	/ 10.6	W=	.007882	/ 1.9	T=	.718	/ 11.0
LAT= 36.0	U=	.767	/ 6.6	V=	.983	/ 10.6	W=	.004895	/ .5	T=	.433	/ 10.1
LAT= 42.0	U=	.683	/ 6.2	V=	.807	/ 10.5	W=	.006418	/ 10.9	T=	.385	/ 8.4
LAT= 48.0	U=	.602	/ 5.4	V=	.498	/ 9.9	W=	.008669	/ 10.4	T=	.516	/ 7.5
LAT= 54.0	U=	.612	/ 4.5	V=	.351	/ 8.2	W=	.009255	/ 10.3	T=	.583	/ 7.3
LAT= 60.0	U=	.724	/ 4.0	V=	.532	/ 6.9	W=	.008444	/ 10.4	T=	.556	/ 7.3
LAT= 66.0	U=	.763	/ 3.7	V=	.695	/ 6.6	W=	.006316	/ 10.5	T=	.431	/ 7.3
LAT= 72.0	U=	.687	/ 3.6	V=	.718	/ 6.6	W=	.003544	/ 10.6	T=	.245	/ 7.3
LAT= 78.0	U=	.719	/ 3.2	V=	.595	/ 6.7	W=	.004044	/ 9.8	T=	.261	/ 6.4
LAT= 84.0	U=	.309	/ 3.5	V=	.302	/ 7.3	W=	.000799	/ 9.0	T=	.044	/ 5.8

Z= 149.425 KM

LAT= 0.0	U=	.001	/ 8.3	V=	1.511	/ 3.9	W=	.000003	/ 1.5	T=	0.000	/ .5
LAT= 6.0	U=	.139	/ 7.3	V=	1.330	/ 3.9	W=	.007358	/ 1.8	T=	.478	/ 10.7
LAT= 12.0	U=	.291	/ 7.0	V=	.850	/ 4.0	W=	.012695	/ 1.8	T=	.840	/ 10.7
LAT= 18.0	U=	.461	/ 6.8	V=	.226	/ 4.5	W=	.014674	/ 1.8	T=	1.006	/ 10.7
LAT= 24.0	U=	.618	/ 6.5	V=	.385	/ 9.5	W=	.013106	/ 1.7	T=	.953	/ 10.6
LAT= 30.0	U=	.718	/ 6.2	V=	.782	/ 9.7	W=	.009061	/ 1.4	T=	.728	/ 10.4
LAT= 36.0	U=	.731	/ 5.9	V=	.914	/ 9.8	W=	.005143	/ .3	T=	.443	/ 9.8
LAT= 42.0	U=	.670	/ 5.5	V=	.746	/ 9.7	W=	.005591	10.5	T=	.310	/ 8.2
LAT= 48.0	U=	.599	/ 4.8	V=	.536	/ 9.3	W=	.007944	/ 9.8	T=	.407	/ 7.0
LAT= 54.0	U=	.580	/ 4.0	V=	.330	/ 8.0	W=	.008672	/ 9.7	T=	.487	/ 6.7
LAT= 60.0	U=	.652	/ 3.4	V=	.414	/ 6.4	W=	.008363	/ 9.8	T=	.487	/ 6.6
LAT= 66.0	U=	.664	/ 3.0	V=	.563	/ 5.9	W=	.006435	/ 9.8	T=	.390	/ 6.6
LAT= 72.0	U=	.585	/ 2.8	V=	.606	/ 5.8	W=	.003693	/ 9.9	T=	.227	/ 6.6
LAT= 78.0	U=	.624	/ 2.3	V=	.525	/ 5.8	W=	.004070	/ 9.1	T=	.239	/ 5.7
LAT= 84.0	U=	.271	/ 2.7	V=	.282	/ 6.5	W=	.000731	/ 8.3	T=	.039	/ 5.1

Z= 158.420 KM

LAT= 0.0	U=	.001	/ 8.0	V=	1.430	/ 3.1	W=	.000004	/ 1.2	T=	0.000	/ .1
LAT= 6.0	U=	.127	/ 6.3	V=	1.270	/ 3.1	W=	.007872	/ 1.1	T=	.439	/ 10.0
LAT= 12.0	U=	.266	/ 6.2	V=	.841	/ 3.2	W=	.013644	/ 1.1	T=	.777	/ 10.0
LAT= 18.0	U=	.419	/ 6.0	V=	.278	/ 3.6	W=	.015926	/ 1.1	T=	.944	/ 10.0
LAT= 24.0	U=	.559	/ 5.8	V=	.296	/ 8.5	W=	.014488	/ 1.1	T=	.914	/ 10.0
LAT= 30.0	U=	.650	/ 5.6	V=	.679	/ 8.9	W=	.010320	/ .9	T=	.722	/ 9.9
LAT= 36.0	U=	.673	/ 5.3	V=	.836	/ 9.0	W=	.005641	/ .1	T=	.453	/ 9.5
LAT= 42.0	U=	.632	/ 4.9	V=	.771	/ 8.9	W=	.004747	/ 10.1	T=	.260	/ 8.2
LAT= 48.0	U=	.571	/ 4.3	V=	.568	/ 8.6	W=	.007108	/ 9.2	T=	.301	/ 6.6
LAT= 54.0	U=	.532	/ 3.6	V=	.344	/ 7.7	W=	.006381	/ 9.0	T=	.384	/ 6.1
LAT= 60.0	U=	.570	/ 3.0	V=	.337	/ 6.1	W=	.008168	/ 9.1	T=	.406	/ 6.0
LAT= 66.0	U=	.563	/ 2.4	V=	.456	/ 5.3	W=	.006451	/ 9.1	T=	.336	/ 5.9
LAT= 72.0	U=	.489	/ 2.2	V=	.510	/ 5.2	W=	.003757	/ 9.2	T=	.201	/ 6.0
LAT= 78.0	U=	.527	/ 1.6	V=	.457	/ 5.1	W=	.003980	/ 8.3	T=	.206	/ 5.0
LAT= 84.0	U=	.233	/ 2.0	V=	.264	/ 5.8	W=	.000647	/ 7.6	T=	.033	/ 4.6

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

Z= 181.310 KM — T_o = 800 K

LAT= 0.0	U=	.001	7.3	V=	1.326	1.6	W=	.000005	.7	T=	0.000	11.7
LAT= 6.0	U=	.107	4.5	V=	1.196	1.7	W=	.009291	11.8	T=	.387	8.8
LAT= 12.0	U=	.220	4.5	V=	.842	1.8	W=	.016183	11.9	T=	.691	8.9
LAT= 18.0	U=	.338	4.4	V=	.372	2.1	W=	.019117	11.9	T=	.852	9.0
LAT= 24.0	U=	.446	4.3	V=	.169	6.2	W=	.017803	11.9	T=	.847	9.1
LAT= 30.0	U=	.521	4.2	V=	.510	7.3	W=	.013183	11.9	T=	.700	9.1
LAT= 36.0	U=	.552	4.0	V=	.701	7.4	W=	.007133	11.6	T=	.469	9.0
LAT= 42.0	U=	.531	3.7	V=	.713	7.5	W=	.003230	9.6	T=	.230	8.5
LAT= 48.0	U=	.475	3.4	V=	.567	7.4	W=	.005793	7.8	T=	.127	6.3
LAT= 54.0	U=	.406	2.8	V=	.403	6.9	W=	.008095	7.5	T=	.208	4.9
LAT= 60.0	U=	.399	2.2	V=	.276	5.9	W=	.008526	7.6	T=	.255	4.8
LAT= 66.0	U=	.364	1.5	V=	.284	4.6	W=	.007155	7.6	T=	.235	4.6
LAT= 72.0	U=	.313	1.1	V=	.322	4.1	W=	.004273	7.7	T=	.148	4.6
LAT= 78.0	U=	.327	.2	V=	.300	4.0	W=	.004339	6.6	T=	.144	3.7
LAT= 84.0	U=	.152	.9	V=	.203	4.7	W=	.000566	6.2	T=	.022	3.7

Z= 209.865 KM

LAT= 0.0	U=	0.000	6.8	V=	1.323	.5	W=	.000006	.3	T=	0.000	11.6
LAT= 6.0	U=	.102	3.0	V=	1.204	.6	W=	.010667	10.9	T=	.366	8.2
LAT= 12.0	U=	.205	3.0	V=	.882	.7	W=	.018599	10.9	T=	.655	8.3
LAT= 18.0	U=	.310	3.0	V=	.452	1.2	W=	.022061	11.0	T=	.813	8.4
LAT= 24.0	U=	.406	3.1	V=	.175	4.0	W=	.020741	11.1	T=	.821	8.5
LAT= 30.0	U=	.475	3.0	V=	.449	5.9	W=	.015592	11.1	T=	.696	8.6
LAT= 36.0	U=	.507	3.0	V=	.661	6.2	W=	.008423	11.1	T=	.487	8.7
LAT= 42.0	U=	.485	2.9	V=	.715	6.3	W=	.002140	9.3	T=	.249	8.7
LAT= 48.0	U=	.417	2.7	V=	.631	6.4	W=	.005679	6.5	T=	.047	7.6
LAT= 54.0	U=	.323	2.3	V=	.464	6.2	W=	.009166	6.3	T=	.123	3.5
LAT= 60.0	U=	.281	1.6	V=	.284	5.7	W=	.010095	6.4	T=	.189	3.6
LAT= 66.0	U=	.224	.7	V=	.181	4.4	W=	.008788	6.4	T=	.196	3.5
LAT= 72.0	U=	.192	.1	V=	.185	3.3	W=	.005337	6.6	T=	.129	3.6
LAT= 78.0	U=	.209	10.7	V=	.178	2.9	W=	.005280	5.5	T=	.121	2.6
LAT= 84.0	U=	.091	11.8	V=	.140	3.9	W=	.000651	5.3	T=	.018	2.9

Z= 240.388 KM

LAT= 0.0	U=	0.000	6.5	V=	1.375	11.9	W=	.000007	12.0	T=	0.000	11.5
LAT= 6.0	U=	.113	2.0	V=	1.257	11.9	W=	.011565	10.3	T=	.363	7.9
LAT= 12.0	U=	.224	2.0	V=	.936	.1	W=	.020176	10.3	T=	.650	8.0
LAT= 18.0	U=	.329	2.1	V=	.510	.6	W=	.023974	10.4	T=	.810	8.1
LAT= 24.0	U=	.425	2.2	V=	.229	2.9	W=	.022602	10.5	T=	.823	8.3
LAT= 30.0	U=	.492	2.3	V=	.488	5.0	W=	.017012	10.6	T=	.705	8.4
LAT= 36.0	U=	.521	2.4	V=	.695	5.4	W=	.009023	10.6	T=	.504	8.6
LAT= 42.0	U=	.489	2.3	V=	.768	5.6	W=	.001508	8.7	T=	.269	8.7
LAT= 48.0	U=	.405	2.3	V=	.695	5.7	W=	.006532	5.7	T=	.057	9.3
LAT= 54.0	U=	.285	2.1	V=	.522	5.8	W=	.010749	5.6	T=	.110	2.5
LAT= 60.0	U=	.215	1.4	V=	.310	5.6	W=	.011922	5.8	T=	.177	2.9
LAT= 66.0	U=	.142	12.0	V=	.135	4.6	W=	.010425	5.8	T=	.193	2.9
LAT= 72.0	U=	.129	11.1	V=	.106	2.5	W=	.006268	6.0	T=	.129	3.0
LAT= 78.0	U=	.181	9.3	V=	.116	1.8	W=	.005974	4.9	T=	.119	2.0
LAT= 84.0	U=	.063	10.6	V=	.106	3.3	W=	.000728	4.9	T=	.017	2.5

Z= 272.801 KM

LAT= 0.0	U=	0.000	6.3	V=	1.433	11.5	W=	.000008	11.7	T=	0.000	11.5
LAT= 6.0	U=	.128	1.4	V=	1.312	11.5	W=	.012042	9.9	T=	.367	7.8
LAT= 12.0	U=	.250	1.5	V=	.986	11.7	W=	.021043	9.9	T=	.658	7.9
LAT= 18.0	U=	.364	1.6	V=	.551	.3	W=	.025045	10.0	T=	.821	8.0
LAT= 24.0	U=	.462	1.8	V=	.273	2.5	W=	.023602	10.2	T=	.836	8.2
LAT= 30.0	U=	.530	1.9	V=	.508	4.5	W=	.017643	10.3	T=	.721	8.3
LAT= 36.0	U=	.554	2.0	V=	.747	5.0	W=	.009051	10.3	T=	.519	8.5
LAT= 42.0	U=	.513	2.1	V=	.829	5.3	W=	.001495	7.6	T=	.283	8.7
LAT= 48.0	U=	.411	2.1	V=	.755	5.4	W=	.007693	5.3	T=	.073	9.7
LAT= 54.0	U=	.273	2.0	V=	.571	5.5	W=	.012218	5.3	T=	.114	2.0
LAT= 60.0	U=	.180	1.4	V=	.334	5.4	W=	.013476	5.5	T=	.179	2.6
LAT= 66.0	U=	.095	11.4	V=	.118	4.9	W=	.011716	5.5	T=	.197	2.6
LAT= 72.0	U=	.107	10.3	V=	.069	1.6	W=	.006901	5.6	T=	.132	2.8
LAT= 78.0	U=	.191	8.5	V=	.100	.9	W=	.006358	4.5	T=	.121	1.8
LAT= 84.0	U=	.056	9.7	V=	.094	2.9	W=	.000741	4.8	T=	.018	2.3

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 800 K

Z= 304.762 KM

LAT= 0.0	U=	0.000	/ 6.2	V=	1.481	/ 11.3	W=	.000009	/ 11.5	T=	0.000	/ 11.5
LAT= 6.0	U=	.142	/ 1.1	V=	1.358	/ 11.3	W=	.012212	/ 9.6	T=	.374	/ 7.7
LAT= 12.0	U=	.276	/ 1.2	V=	1.024	/ 11.6	W=	.021369	/ 9.6	T=	.671	/ 7.8
LAT= 18.0	U=	.397	/ 1.4	V=	.581	/ .1	W=	.025447	/ 9.7	T=	.837	/ 7.9
LAT= 24.0	U=	.499	/ 1.6	V=	.302	/ 2.3	W=	.023909	/ 9.9	T=	.855	/ 8.1
LAT= 30.0	U=	.566	/ 1.7	V=	.542	/ 4.2	W=	.017667	/ 10.0	T=	.738	/ 8.3
LAT= 36.0	U=	.587	/ 1.9	V=	.793	/ 4.8	W=	.008713	/ 9.9	T=	.534	/ 8.5
LAT= 42.0	U=	.537	/ 2.0	V=	.861	/ 5.1	W=	.002329	/ 6.6	T=	.294	/ 8.7
LAT= 48.0	U=	.423	/ 2.0	V=	.803	/ 5.2	W=	.008898	/ 5.2	T=	.082	/ 9.8
LAT= 54.0	U=	.271	/ 2.0	V=	.609	/ 5.4	W=	.013426	/ 5.1	T=	.118	/ 1.8
LAT= 60.0	U=	.163	/ 1.4	V=	.355	/ 5.4	W=	.014653	/ 5.3	T=	.184	/ 2.4
LAT= 66.0	U=	.071	/ 10.9	V=	.115	/ 5.1	W=	.012623	/ 5.3	T=	.203	/ 2.5
LAT= 72.0	U=	.103	/ 9.7	V=	.059	/ .8	W=	.007294	/ 5.4	T=	.136	/ 2.7
LAT= 78.0	U=	.206	/ 8.1	V=	.098	/ .3	W=	.006557	/ 4.3	T=	.124	/ 1.7
LAT= 84.0	U=	.057	/ 9.2	V=	.090	/ 2.7	W=	.000710	/ 4.7	T=	.018	/ 2.3

Z= 336.754 KM

LAT= 0.0	U=	0.000	/ 6.1	V=	1.520	/ 11.2	W=	.000010	/ 11.3	T=	0.000	/ 11.5
LAT= 6.0	U=	.152	/ 1.0	V=	1.395	/ 11.2	W=	.012171	/ 9.3	T=	.382	/ 7.7
LAT= 12.0	U=	.296	/ 1.1	V=	1.056	/ 11.5	W=	.021308	/ 9.4	T=	.686	/ 7.8
LAT= 18.0	U=	.423	/ 1.3	V=	.603	/ 12.0	W=	.025358	/ 9.5	T=	.856	/ 7.9
LAT= 24.0	U=	.528	/ 1.4	V=	.321	/ 2.2	W=	.023715	/ 9.6	T=	.875	/ 8.1
LAT= 30.0	U=	.595	/ 1.6	V=	.569	/ 4.1	W=	.017301	/ 9.7	T=	.756	/ 8.3
LAT= 36.0	U=	.613	/ 1.8	V=	.829	/ 4.7	W=	.008288	/ 9.4	T=	.547	/ 8.5
LAT= 42.0	U=	.567	/ 1.9	V=	.920	/ 5.0	W=	.003708	/ 6.2	T=	.303	/ 8.7
LAT= 48.0	U=	.435	/ 2.0	V=	.840	/ 5.2	W=	.010101	/ 5.1	T=	.088	/ 9.8
LAT= 54.0	U=	.273	/ 2.0	V=	.636	/ 5.3	W=	.014402	/ 5.1	T=	.122	/ 1.7
LAT= 60.0	U=	.155	/ 1.5	V=	.369	/ 5.3	W=	.015503	/ 5.2	T=	.189	/ 2.4
LAT= 66.0	U=	.061	/ 10.5	V=	.115	/ 5.2	W=	.013198	/ 5.2	T=	.208	/ 2.5
LAT= 72.0	U=	.105	/ 9.3	V=	.059	/ .3	W=	.007502	/ 5.3	T=	.139	/ 2.7
LAT= 78.0	U=	.219	/ 7.8	V=	.101	/ 12.0	W=	.006645	/ 4.1	T=	.127	/ 1.7
LAT= 84.0	U=	.059	/ 8.9	V=	.089	/ 2.7	W=	.000662	/ 4.6	T=	.018	/ 2.2

Z= 368.753 KM

LAT= 0.0	U=	0.000	/ 6.1	V=	1.554	/ 11.1	W=	.000010	/ 11.1	T=	0.000	/ 11.5
LAT= 6.0	U=	.160	/ .9	V=	1.428	/ 11.2	W=	.011985	/ 9.1	T=	.391	/ 7.7
LAT= 12.0	U=	.310	/ 1.0	V=	1.082	/ 11.4	W=	.020979	/ 9.1	T=	.701	/ 7.8
LAT= 18.0	U=	.442	/ 1.2	V=	.620	/ 12.0	W=	.024934	/ 9.2	T=	.876	/ 7.9
LAT= 24.0	U=	.550	/ 1.4	V=	.335	/ 2.2	W=	.023210	/ 9.3	T=	.895	/ 8.1
LAT= 30.0	U=	.618	/ 1.6	V=	.590	/ 4.1	W=	.016776	/ 9.3	T=	.774	/ 8.3
LAT= 36.0	U=	.634	/ 1.7	V=	.856	/ 4.6	W=	.008118	/ 8.9	T=	.561	/ 8.5
LAT= 42.0	U=	.574	/ 1.8	V=	.951	/ 4.9	W=	.005398	/ 6.1	T=	.311	/ 8.7
LAT= 48.0	U=	.446	/ 1.9	V=	.868	/ 5.1	W=	.011289	/ 5.1	T=	.091	/ 9.8
LAT= 54.0	U=	.277	/ 2.0	V=	.657	/ 5.2	W=	.015170	/ 5.0	T=	.126	/ 1.6
LAT= 60.0	U=	.152	/ 1.5	V=	.382	/ 5.3	W=	.016070	/ 5.2	T=	.194	/ 2.3
LAT= 66.0	U=	.056	/ 10.2	V=	.117	/ 5.2	W=	.013486	/ 5.2	T=	.213	/ 2.4
LAT= 72.0	U=	.107	/ 9.1	V=	.061	/ 12.0	W=	.007551	/ 5.2	T=	.143	/ 2.6
LAT= 78.0	U=	.227	/ 7.7	V=	.104	/ 11.8	W=	.006642	/ 4.0	T=	.130	/ 1.7
LAT= 84.0	U=	.061	/ 8.8	V=	.088	/ 2.7	W=	.000610	/ 4.5	T=	.019	/ 2.2

Z= 400.753 KM

LAT= 0.0	U=	0.000	/ 6.1	V=	1.586	/ 11.1	W=	.000011	/ 10.9	T=	0.000	/ 11.5
LAT= 6.0	U=	.166	/ .9	V=	1.458	/ 11.2	W=	.011671	/ 8.8	T=	.399	/ 7.7
LAT= 12.0	U=	.321	/ 1.0	V=	1.105	/ 11.4	W=	.020427	/ 8.9	T=	.717	/ 7.8
LAT= 18.0	U=	.456	/ 1.2	V=	.635	/ 12.0	W=	.024263	/ 8.9	T=	.895	/ 7.9
LAT= 24.0	U=	.566	/ 1.4	V=	.345	/ 2.1	W=	.022539	/ 9.0	T=	.914	/ 8.1
LAT= 30.0	U=	.635	/ 1.5	V=	.605	/ 4.0	W=	.016313	/ 8.9	T=	.790	/ 8.2
LAT= 36.0	U=	.650	/ 1.7	V=	.879	/ 4.6	W=	.008521	/ 8.2	T=	.573	/ 8.4
LAT= 42.0	U=	.588	/ 1.8	V=	.975	/ 4.9	W=	.007276	/ 6.0	T=	.318	/ 8.7
LAT= 48.0	U=	.457	/ 1.9	V=	.890	/ 5.1	W=	.012408	/ 5.1	T=	.093	/ 9.8
LAT= 54.0	U=	.282	/ 2.0	V=	.674	/ 5.2	W=	.015690	/ 5.0	T=	.129	/ 1.6
LAT= 60.0	U=	.153	/ 1.5	V=	.391	/ 5.3	W=	.016325	/ 5.1	T=	.197	/ 2.3
LAT= 66.0	U=	.055	/ 10.1	V=	.118	/ 5.2	W=	.013466	/ 5.1	T=	.218	/ 2.4
LAT= 72.0	U=	.110	/ 9.1	V=	.063	/ 11.9	W=	.007430	/ 5.2	T=	.145	/ 2.6
LAT= 78.0	U=	.234	/ 7.7	V=	.107	/ 11.8	W=	.006523	/ 3.9	T=	.133	/ 1.7
LAT= 84.0	U=	.062	/ 8.7	V=	.089	/ 2.7	W=	.000555	/ 4.3	T=	.019	/ 2.2

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

Z= 81.010 KM — T_o = 1000 K

LAT= 0.0	U=	0.000	/	1.1	V=	.392	/	1.1	W=	0.000000	/	1.1	T=	0.000 / 9.3
LAT= 6.0	U=	.013	/	4.5	V=	.272	/	1.1	W=	.001556	/	10.3	T=	.108 / 7.6
LAT= 12.0	U=	.060	/	4.1	V=	.030	/	5.7	W=	.002272	/	10.3	T=	.155 / 7.6
LAT= 18.0	U=	.138	/	4.1	V=	.328	/	6.9	W=	.001780	/	10.4	T=	.119 / 7.6
LAT= 24.0	U=	.181	/	4.1	V=	.472	/	6.9	W=	.000371	/	10.9	T=	.017 / 7.7
LAT= 30.0	U=	.121	/	4.3	V=	.379	/	7.0	W=	.001334	/	4.1	T=	.101 / 1.6
LAT= 36.0	U=	.078	/	9.1	V=	.093	/	7.7	W=	.002593	/	4.2	T=	.190 / 1.6
LAT= 42.0	U=	.347	/	9.7	V=	.297	/	.6	W=	.003084	/	4.2	T=	.224 / 1.6
LAT= 48.0	U=	.616	/	9.8	V=	.636	/	.8	W=	.002851	/	4.3	T=	.207 / 1.6
LAT= 54.0	U=	.810	/	9.8	V=	.845	/	.8	W=	.002192	/	4.3	T=	.157 / 1.6
LAT= 60.0	U=	.873	/	9.8	V=	.899	/	.8	W=	.001422	/	4.3	T=	.101 / 1.6
LAT= 66.0	U=	.817	/	9.8	V=	.823	/	.9	W=	.000802	/	4.3	T=	.058 / 1.7
LAT= 72.0	U=	.666	/	9.9	V=	.655	/	.9	W=	.000379	/	4.3	T=	.026 / 1.7
LAT= 78.0	U=	.468	/	9.8	V=	.440	/	.8	W=	.000272	/	4.2	T=	.019 / 1.5
LAT= 84.0	U=	.222	/	9.8	V=	.203	/	.8	W=	.000084	/	3.9	T=	.006 / 1.2

Z= 84.009 KM

LAT= 0.0	U=	0.000	/	2.2	V=	.575	/	11.5	W=	0.000000	/	.9	T=	0.000 / 9.3
LAT= 6.0	U=	.017	/	2.6	V=	.349	/	11.5	W=	.001925	/	9.2	T=	.153 / 6.5
LAT= 12.0	U=	.088	/	2.5	V=	.030	/	5.5	W=	.002802	/	9.3	T=	.222 / 6.5
LAT= 18.0	U=	.203	/	2.5	V=	.472	/	5.5	W=	.002177	/	9.3	T=	.170 / 6.5
LAT= 24.0	U=	.265	/	2.5	V=	.695	/	5.5	W=	.000401	/	9.7	T=	.028 / 6.2
LAT= 30.0	U=	.179	/	2.4	V=	.554	/	5.5	W=	.001709	/	3.1	T=	.140 / .6
LAT= 36.0	U=	.093	/	8.6	V=	.134	/	5.6	W=	.003280	/	3.2	T=	.267 / .6
LAT= 42.0	U=	.487	/	8.5	V=	.414	/	11.5	W=	.003890	/	3.2	T=	.315 / .6
LAT= 48.0	U=	.881	/	8.5	V=	.903	/	11.5	W=	.003593	/	3.2	T=	.291 / .6
LAT= 54.0	U=	1.159	/	8.5	V=	1.239	/	11.5	W=	.002761	/	3.3	T=	.222 / .6
LAT= 60.0	U=	1.259	/	8.5	V=	1.295	/	11.5	W=	.001795	/	3.3	T=	.144 / .6
LAT= 66.0	U=	1.183	/	8.5	V=	1.190	/	11.5	W=	.001006	/	3.3	T=	.082 / .7
LAT= 72.0	U=	.963	/	8.6	V=	.953	/	11.6	W=	.000487	/	3.3	T=	.039 / .7
LAT= 78.0	U=	.688	/	8.5	V=	.644	/	11.6	W=	.000332	/	3.3	T=	.028 / .7
LAT= 84.0	U=	.328	/	8.5	V=	.297	/	11.6	W=	.000101	/	3.2	T=	.009 / .4

Z= 87.062 KM

LAT= 0.0	U=	0.000	/	2.8	V=	.849	/	10.2	W=	0.000000	/	.8	T=	0.000 / 9.4
LAT= 6.0	U=	.028	/	1.2	V=	.629	/	10.2	W=	.002123	/	7.9	T=	.181 / 5.3
LAT= 12.0	U=	.140	/	1.2	V=	.032	/	5.6	W=	.003078	/	7.9	T=	.261 / 5.3
LAT= 18.0	U=	.317	/	1.2	V=	.703	/	4.3	W=	.002358	/	7.9	T=	.203 / 5.2
LAT= 24.0	U=	.420	/	1.2	V=	1.037	/	4.3	W=	.000353	/	7.5	T=	.037 / 4.4
LAT= 30.0	U=	.300	/	1.1	V=	.656	/	4.3	W=	.002011	/	2.0	T=	.168 / 11.6
LAT= 36.0	U=	.106	/	8.1	V=	.235	/	4.1	W=	.003769	/	2.0	T=	.319 / 11.5
LAT= 42.0	U=	.685	/	7.5	V=	.578	/	10.5	W=	.004450	/	2.0	T=	.375 / 11.5
LAT= 48.0	U=	1.274	/	7.4	V=	1.306	/	10.4	W=	.004106	/	2.0	T=	.347 / 11.5
LAT= 54.0	U=	1.690	/	7.4	V=	1.765	/	10.4	W=	.003159	/	2.0	T=	.267 / 11.5
LAT= 60.0	U=	1.843	/	7.4	V=	1.897	/	10.4	W=	.002065	/	2.0	T=	.177 / 11.5
LAT= 66.0	U=	1.733	/	7.4	V=	1.741	/	10.4	W=	.001157	/	2.1	T=	.099 / 11.6
LAT= 72.0	U=	1.409	/	7.4	V=	1.394	/	10.4	W=	.000578	/	2.2	T=	.050 / 11.6
LAT= 78.0	U=	1.015	/	7.4	V=	.942	/	10.4	W=	.000366	/	2.1	T=	.032 / 11.6
LAT= 84.0	U=	.483	/	7.4	V=	.433	/	10.5	W=	.000103	/	2.0	T=	.009 / 11.4

Z= 90.176 KM

LAT= 0.0	U=	0.000	/	3.1	V=	1.276	/	9.2	W=	0.000000	/	.7	T=	0.000 / 9.4
LAT= 6.0	U=	.037	/	.0	V=	.868	/	9.1	W=	.002858	/	6.1	T=	.222 / 3.5
LAT= 12.0	U=	.188	/	.1	V=	.043	/	5.4	W=	.004170	/	6.0	T=	.325 / 3.5
LAT= 18.0	U=	.427	/	.1	V=	.927	/	3.3	W=	.003274	/	5.9	T=	.259 / 3.4
LAT= 24.0	U=	.573	/	.1	V=	1.381	/	3.3	W=	.000778	/	5.0	T=	.071 / 2.3
LAT= 30.0	U=	.425	/	.0	V=	1.161	/	3.2	W=	.002500	/	.6	T=	.192 / 10.2
LAT= 36.0	U=	.127	/	7.5	V=	.341	/	3.0	W=	.004782	/	.4	T=	.369 / 9.9
LAT= 42.0	U=	.875	/	6.5	V=	.737	/	9.5	W=	.005670	/	.4	T=	.440 / 9.9
LAT= 48.0	U=	1.453	/	6.4	V=	1.668	/	9.4	W=	.005237	/	.4	T=	.407 / 9.9
LAT= 54.0	U=	2.205	/	6.4	V=	2.306	/	9.4	W=	.004022	/	.4	T=	.315 / 9.9
LAT= 60.0	U=	2.412	/	6.4	V=	2.481	/	9.4	W=	.002636	/	.5	T=	.209 / 10.0
LAT= 66.0	U=	2.265	/	6.4	V=	2.278	/	9.4	W=	.001463	/	.5	T=	.116 / 10.1
LAT= 72.0	U=	1.847	/	6.4	V=	1.821	/	9.4	W=	.000733	/	.7	T=	.058 / 10.2
LAT= 78.0	U=	1.323	/	6.4	V=	1.231	/	9.4	W=	.000472	/	.5	T=	.037 / 10.0
LAT= 84.0	U=	.629	/	6.4	V=	.567	/	9.4	W=	.000147	/	.0	T=	.011 / 9.5

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 93.363 KM

LAT= 0.0	U=	0.000 /	3.2	V=	1.360 /	7.6	W=	0.000000 /	.6	T=	0.000 /	9.4
LAT= 6.0	U=	.043 /	10.6	V=	.972 /	7.6	W=	.004759 /	4.6	T=	.353 /	1.9
LAT= 12.0	U=	.211 /	10.6	V=	.063 /	5.3	W=	.007026 /	4.6	T=	.526 /	1.9
LAT= 18.0	U=	.478 /	10.6	V=	.989 /	1.8	W=	.005733 /	4.5	T=	.433 /	1.8
LAT= 24.0	U=	.655 /	10.6	V=	1.519 /	1.8	W=	.001810 /	3.7	T=	.151 /	1.0
LAT= 30.0	U=	.515 /	10.4	V=	1.310 /	1.8	W=	.003444 /	11.2	T=	.244 /	8.7
LAT= 36.0	U=	.134 /	7.2	V=	.457 /	1.5	W=	.007069 /	11.0	T=	.509 /	8.4
LAT= 42.0	U=	.894 /	5.1	V=	.722 /	8.1	W=	.008537 /	10.9	T=	.619 /	8.3
LAT= 48.0	U=	1.765 /	5.0	V=	1.802 /	8.0	W=	.007940 /	10.9	T=	.578 /	8.3
LAT= 54.0	U=	2.403 /	5.0	V=	2.511 /	8.0	W=	.006095 /	10.9	T=	.446 /	8.3
LAT= 60.0	U=	2.675 /	5.0	V=	2.748 /	8.0	W=	.003987 /	11.0	T=	.295 /	8.4
LAT= 66.0	U=	2.541 /	5.0	V=	2.558 /	8.0	W=	.002200 /	11.0	T=	.162 /	8.5
LAT= 72.0	U=	2.101 /	5.1	V=	2.069 /	8.1	W=	.001043 /	11.2	T=	.080 /	8.7
LAT= 78.0	U=	1.519 /	5.1	V=	1.409 /	8.1	W=	.000778 /	11.0	T=	.058 /	8.4
LAT= 84.0	U=	.720 /	5.1	V=	.653 /	8.2	W=	.000265 /	10.7	T=	.019 /	8.0

Z= 96.638 KM

LAT= 0.0	U=	0.000 /	7.8	V=	1.877 /	5.8	W=	0.000000 /	.5	T=	0.000 /	9.4
LAT= 6.0	U=	.056 /	9.1	V=	1.347 /	5.7	W=	.006435 /	3.5	T=	.500 /	.8
LAT= 12.0	U=	.284 /	8.8	V=	.069 /	4.5	W=	.009694 /	3.5	T=	.748 /	.7
LAT= 18.0	U=	.651 /	8.8	V=	1.293 /	11.9	W=	.008308 /	3.4	T=	.638 /	.6
LAT= 24.0	U=	.894 /	8.7	V=	1.983 /	11.9	W=	.003237 /	2.9	T=	.261 /	.1
LAT= 30.0	U=	.726 /	8.6	V=	1.696 /	11.9	W=	.003834 /	10.3	T=	.261 /	7.7
LAT= 36.0	U=	.166 /	6.3	V=	.586 /	11.9	W=	.009065 /	9.9	T=	.612 /	7.3
LAT= 42.0	U=	1.024 /	3.4	V=	.869 /	6.3	W=	.011608 /	9.8	T=	.765 /	7.2
LAT= 48.0	U=	2.058 /	3.3	V=	2.151 /	6.3	W=	.011291 /	9.8	T=	.722 /	7.2
LAT= 54.0	U=	2.780 /	3.4	V=	2.935 /	6.4	W=	.009045 /	9.8	T=	.563 /	7.2
LAT= 60.0	U=	3.043 /	3.4	V=	3.131 /	6.4	W=	.006188 /	9.9	T=	.373 /	7.3
LAT= 66.0	U=	2.819 /	3.5	V=	2.838 /	6.5	W=	.003621 /	10.0	T=	.209 /	7.3
LAT= 72.0	U=	2.289 /	3.6	V=	2.235 /	6.6	W=	.001828 /	10.1	T=	.103 /	7.5
LAT= 78.0	U=	1.608 /	3.7	V=	1.481 /	6.7	W=	.001345 /	10.1	T=	.075 /	7.4
LAT= 84.0	U=	.767 /	3.7	V=	.672 /	6.9	W=	.000323 /	9.5	T=	.019 /	6.9

Z= 100.017 KM

LAT= 0.0	U=	0.000 /	7.3	V=	2.797 /	4.5	W=	0.000000 /	.4	T=	0.000 /	9.5
LAT= 6.0	U=	.101 /	7.7	V=	2.050 /	4.5	W=	.007528 /	2.2	T=	.619 /	11.5
LAT= 12.0	U=	.435 /	7.6	V=	.224 /	3.8	W=	.011606 /	2.2	T=	.955 /	11.5
LAT= 18.0	U=	.968 /	7.6	V=	1.790 /	10.7	W=	.010474 /	2.1	T=	.866 /	11.5
LAT= 24.0	U=	1.360 /	7.5	V=	2.903 /	10.7	W=	.004810 /	2.0	T=	.420 /	11.3
LAT= 30.0	U=	1.203 /	7.4	V=	2.644 /	10.7	W=	.003136 /	8.9	T=	.218 /	6.6
LAT= 36.0	U=	.414 /	6.1	V=	1.151 /	10.5	W=	.009864 /	8.6	T=	.722 /	6.0
LAT= 42.0	U=	1.274 /	2.4	V=	.689 /	5.2	W=	.013655 /	8.6	T=	1.000 /	6.0
LAT= 48.0	U=	2.823 /	2.1	V=	2.666 /	5.0	W=	.013978 /	8.7	T=	1.013 /	6.0
LAT= 54.0	U=	4.006 /	2.1	V=	4.276 /	5.0	W=	.011688 /	8.8	T=	.838 /	6.1
LAT= 60.0	U=	4.528 /	2.1	V=	4.718 /	5.0	W=	.008334 /	9.0	T=	.588 /	6.3
LAT= 66.0	U=	4.319 /	2.1	V=	4.366 /	5.1	W=	.005136 /	9.2	T=	.358 /	6.4
LAT= 72.0	U=	3.578 /	2.1	V=	3.530 /	5.2	W=	.002795 /	9.4	T=	.192 /	6.6
LAT= 78.0	U=	2.578 /	2.2	V=	2.379 /	5.2	W=	.001987 /	9.3	T=	.136 /	6.6
LAT= 84.0	U=	1.216 /	2.2	V=	1.060 /	5.3	W=	.000438 /	7.8	T=	.028 /	5.3

Z= 103.521 KM

LAT= 0.0	U=	0.000 /	5.9	V=	3.726 /	3.1	W=	.000002 /	11.8	T=	0.000 /	9.0
LAT= 6.0	U=	.190 /	6.5	V=	2.815 /	3.1	W=	.008987 /	.7	T=	.836 /	10.1
LAT= 12.0	U=	.621 /	6.3	V=	.526 /	3.1	W=	.013972 /	.7	T=	1.210 /	10.1
LAT= 18.0	U=	1.278 /	6.1	V=	2.037 /	9.1	W=	.012888 /	.7	T=	.11 /	10.1
LAT= 24.0	U=	1.810 /	6.1	V=	3.681 /	9.2	W=	.006442 /	.8	T=	.655 /	10.1
LAT= 30.0	U=	1.746 /	6.0	V=	3.698 /	9.2	W=	.002489 /	7.0	T=	.151 /	4.3
LAT= 36.0	U=	.841 /	5.5	V=	2.093 /	9.3	W=	.010442 /	7.0	T=	.877 /	4.3
LAT= 42.0	U=	.996 /	1.0	V=	.486 /	2.9	W=	.015000 /	7.1	T=	1.304 /	4.5
LAT= 48.0	U=	2.922 /	.6	V=	3.047 /	3.3	W=	.015567 /	7.3	T=	1.369 /	4.6
LAT= 54.0	U=	4.575 /	.5	V=	4.946 /	3.4	W=	.013103 /	7.5	T=	1.162 /	4.8
LAT= 60.0	U=	5.474 /	.6	V=	5.747 /	3.5	W=	.009309 /	7.7	T=	.832 /	5.0
LAT= 66.0	U=	5.474 /	.6	V=	5.629 /	3.6	W=	.005795 /	8.0	T=	.519 /	5.2
LAT= 72.0	U=	4.700 /	.7	V=	4.685 /	3.7	W=	.003185 /	8.3	T=	.284 /	5.5
LAT= 78.0	U=	3.502 /	.8	V=	3.256 /	3.8	W=	.002379 /	8.3	T=	.213 /	5.5
LAT= 84.0	U=	1.647 /	.8	V=	1.522 /	3.9	W=	.000556 /	7.0	T=	.045 /	4.2

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o 1000 K

Z= 107.177 KM

LAT= 0.0	U=	.002	/ 4.2	V=	4.575	/ 1.5	W=	.000002	/ 10.7	T=	0.000	/ 7.8
LAT= 6.0	U=	.300	/ 5.2	V=	3.547	/ 1.6	W=	.009955	/ 11.1	T=	1.114	/ 8.4
LAT= 12.0	U=	.806	/ 4.9	V=	.955	/ 1.9	W=	.015631	/ 11.1	T=	1.767	/ 8.4
LAT= 18.0	U=	1.530	/ 4.6	V=	2.093	/ 7.3	W=	.014791	/ 11.2	T=	1.709	/ 8.5
LAT= 24.0	U=	2.151	/ 4.5	V=	4.183	/ 7.5	W=	.008142	/ 11.3	T=	1.006	/ 8.7
LAT= 30.0	U=	2.198	/ 4.4	V=	4.526	/ 7.7	W=	.001323	/ 4.9	T=	.095	/ .2
LAT= 36.0	U=	1.356	/ 4.3	V=	3.078	/ 7.9	W=	.009834	/ 5.4	T=	.996	/ 2.5
LAT= 42.0	U=	.412	/ 11.7	V=	.696	/ 9.5	W=	.014877	/ 5.5	T=	1.586	/ 2.7
LAT= 48.0	U=	2.418	/ 10.9	V=	2.498	/ 1.4	W=	.015733	/ 5.7	T=	1.720	/ 2.9
LAT= 54.0	U=	4.261	/ 10.9	V=	4.659	/ 1.7	W=	.013399	/ 5.9	T=	1.491	/ 3.2
LAT= 60.0	U=	5.362	/ 10.9	V=	5.761	/ 1.9	W=	.009634	/ 6.2	T=	1.086	/ 3.4
LAT= 66.0	U=	5.552	/ 11.0	V=	5.754	/ 2.0	W=	.005963	/ 6.5	T=	.688	/ 3.7
LAT= 72.0	U=	4.858	/ 11.2	V=	4.873	/ 2.2	W=	.003237	/ 6.8	T=	.375	/ 4.0
LAT= 78.0	U=	3.733	/ 11.3	V=	3.435	/ 2.3	W=	.002560	/ 6.8	T=	.300	/ 4.0
LAT= 84.0	U=	1.754	/ 11.3	V=	1.616	/ 2.4	W=	.000524	/ 6.1	T=	.060	/ 3.3

Z= 111.019 KM

LAT= 0.0	U=	.002	/ 2.5	V=	4.843	/ .0	W=	.000002	/ 9.4	T=	0.000	/ 6.4
LAT= 6.0	U=	.390	/ 3.7	V=	3.858	/ .1	W=	.010313	/ 9.5	T=	1.362	/ 6.6
LAT= 12.0	U=	.905	/ 3.4	V=	1.324	/ .5	W=	.016414	/ 9.5	T=	2.190	/ 6.7
LAT= 18.0	U=	1.563	/ 3.1	V=	1.772	/ 5.5	W=	.016037	/ 9.6	T=	2.185	/ 6.8
LAT= 24.0	U=	2.140	/ 2.9	V=	3.938	/ 5.9	W=	.009787	/ 9.7	T=	1.412	/ 6.9
LAT= 30.0	U=	2.256	/ 2.9	V=	4.664	/ 6.1	W=	.000675	/ 10.9	T=	.265	/ 8.1
LAT= 36.0	U=	1.625	/ 2.8	V=	3.621	/ 6.4	W=	.008093	/ 3.7	T=	.946	/ .7
LAT= 42.0	U=	.272	/ 1.9	V=	1.530	/ 7.2	W=	.013487	/ 3.9	T=	1.602	/ 1.0
LAT= 48.0	U=	1.582	/ 9.2	V=	1.563	/ 11.1	W=	.014825	/ 4.1	T=	1.920	/ 1.2
LAT= 54.0	U=	3.295	/ 9.2	V=	3.599	/ 11.9	W=	.013011	/ 4.3	T=	1.724	/ 1.5
LAT= 60.0	U=	4.416	/ 9.3	V=	4.793	/ .2	W=	.009582	/ 4.6	T=	1.293	/ 1.7
LAT= 66.0	U=	4.772	/ 9.5	V=	4.978	/ .4	W=	.006106	/ 4.9	T=	.847	/ 2.0
LAT= 72.0	U=	4.272	/ 9.6	V=	4.315	/ .6	W=	.003381	/ 5.1	T=	.474	/ 2.3
LAT= 78.0	U=	3.414	/ 9.8	V=	3.084	/ .8	W=	.002782	/ 5.1	T=	.388	/ 2.2
LAT= 84.0	U=	1.588	/ 9.8	V=	1.438	/ .9	W=	.000511	/ 4.4	T=	.071	/ 1.5

Z= 115.091 KM

LAT= 0.0	U=	.002	/ .9	V=	4.552	/ 10.6	W=	.000002	/ 8.0	T=	0.000	/ 4.9
LAT= 6.0	U=	.418	/ 2.3	V=	3.718	/ 10.7	W=	.010498	/ 8.0	T=	1.506	/ 5.0
LAT= 12.0	U=	.886	/ 2.0	V=	1.537	/ 11.2	W=	.016950	/ 8.0	T=	2.450	/ 5.0
LAT= 18.0	U=	1.407	/ 1.7	V=	1.310	/ 3.7	W=	.017119	/ 8.1	T=	2.517	/ 5.1
LAT= 24.0	U=	1.856	/ 1.5	V=	3.341	/ 4.3	W=	.011459	/ 8.2	T=	1.761	/ 5.3
LAT= 30.0	U=	1.978	/ 1.4	V=	4.193	/ 4.6	W=	.002662	/ 8.6	T=	.556	/ 5.8
LAT= 36.0	U=	1.554	/ 1.3	V=	3.601	/ 4.9	W=	.006039	/ 2.1	T=	.731	/ 10.8
LAT= 42.0	U=	.545	/ 1.1	V=	2.013	/ 5.5	W=	.011789	/ 2.4	T=	1.569	/ 11.3
LAT= 48.0	U=	.869	/ 7.8	V=	1.015	/ 8.5	W=	.013718	/ 2.6	T=	1.894	/ 11.5
LAT= 54.0	U=	2.274	/ 7.8	V=	2.438	/ 10.2	W=	.012545	/ 2.8	T=	1.776	/ 11.8
LAT= 60.0	U=	3.282	/ 7.9	V=	3.571	/ 10.7	W=	.009528	/ 3.1	T=	1.381	/ .1
LAT= 66.0	U=	3.735	/ 8.0	V=	3.909	/ 10.9	W=	.006334	/ 3.3	T=	.946	/ .4
LAT= 72.0	U=	3.455	/ 8.1	V=	3.511	/ 11.2	W=	.003634	/ 3.6	T=	.552	/ .6
LAT= 78.0	U=	2.897	/ 8.3	V=	2.575	/ 11.3	W=	.003045	/ 3.5	T=	.446	/ .4
LAT= 84.0	U=	1.336	/ 8.3	V=	1.211	/ 11.5	W=	.000612	/ 2.7	T=	.084	/ 11.5

Z= 119.451 KM

LAT= 0.0	U=	.002	/ 11.6	V=	4.002	/ 9.4	W=	.000002	/ 6.6	T=	0.000	/ 3.8
LAT= 6.0	U=	.339	/ 1.0	V=	3.334	/ 9.5	W=	.010832	/ 6.7	T=	1.519	/ 3.6
LAT= 12.0	U=	.797	/ .8	V=	1.629	/ 10.0	W=	.017741	/ 6.8	T=	2.502	/ 3.6
LAT= 18.0	U=	1.196	/ .5	V=	.968	/ 1.9	W=	.018483	/ 6.8	T=	2.642	/ 3.7
LAT= 24.0	U=	1.526	/ .3	V=	2.636	/ 2.9	W=	.013336	/ 6.9	T=	1.972	/ 3.9
LAT= 30.0	U=	1.634	/ .1	V=	3.502	/ 3.3	W=	.004782	/ 7.3	T=	.830	/ 4.3
LAT= 36.0	U=	1.356	/ .1	V=	3.248	/ 3.6	W=	.004300	/ .5	T=	.474	/ 8.9
LAT= 42.0	U=	.640	/ .0	V=	2.127	/ 4.1	W=	.010543	/ 1.0	T=	1.321	/ 9.7
LAT= 48.0	U=	.403	/ 6.5	V=	.961	/ 5.9	W=	.013185	/ 1.2	T=	1.724	/ 10.0
LAT= 54.0	U=	1.500	/ 6.4	V=	1.582	/ 8.5	W=	.012655	/ 1.4	T=	1.700	/ 10.3
LAT= 60.0	U=	2.349	/ 6.5	V=	2.543	/ 9.3	W=	.009963	/ 1.7	T=	1.373	/ 10.6
LAT= 66.0	U=	2.821	/ 6.7	V=	2.953	/ 9.6	W=	.006940	/ 1.9	T=	.983	/ 10.8
LAT= 72.0	U=	2.711	/ 6.9	V=	2.761	/ 9.9	W=	.004080	/ 2.1	T=	.586	/ 11.0
LAT= 78.0	U=	2.388	/ 7.0	V=	2.099	/ 10.1	W=	.003302	/ 2.0	T=	.450	/ 10.8
LAT= 84.0	U=	1.099	/ 7.1	V=	1.019	/ 10.4	W=	.000683	/ 1.1	T=	.082	/ 9.8

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

Z= 124.175 KM — T_o = 1000 K

LAT= 0.0	U=	.002	/ 10.7	V=	3.431	/ 8.3	W=	.000002	/ 5.4	T=	0.000	/ 3.0
LAT= 6.0	U=	.362	/ 11.9	V=	2.869	/ 8.4	W=	.011330	/ 5.7	T=	1.425	/ 2.5
LAT= 12.0	U=	.700	/ 11.7	V=	1.537	/ 8.9	W=	.018806	/ 5.7	T=	2.375	/ 2.5
LAT= 18.0	U=	1.011	/ 11.4	V=	.787	/ .2	W=	.020123	/ 5.8	T=	2.569	/ 2.6
LAT= 24.0	U=	1.265	/ 11.1	V=	2.093	/ 1.7	W=	.015384	/ 5.9	T=	2.019	/ 2.8
LAT= 30.0	U=	1.364	/ 11.0	V=	2.361	/ 2.1	W=	.006905	/ 6.3	T=	1.011	/ 3.2
LAT= 36.0	U=	1.193	/ 10.9	V=	2.816	/ 2.4	W=	.003284	/ 10.7	T=	.343	/ 6.7
LAT= 42.0	U=	.668	/ 11.0	V=	2.650	/ 2.9	W=	.009963	/ 11.7	T=	1.080	/ 8.4
LAT= 48.0	U=	.116	/ 4.8	V=	1.047	/ 4.2	W=	.013459	/ 11.9	T=	1.532	/ 8.7
LAT= 54.0	U=	.974	/ 5.2	V=	1.071	/ 6.9	W=	.013603	/ .2	T=	1.595	/ 9.0
LAT= 60.0	U=	1.677	/ 5.3	V=	1.804	/ 7.9	W=	.011192	/ .4	T=	1.345	/ 9.2
LAT= 66.0	U=	2.121	/ 5.6	V=	2.211	/ 8.4	W=	.008203	/ .6	T=	1.009	/ 9.5
LAT= 72.0	U=	2.112	/ 5.7	V=	2.155	/ 8.7	W=	.004940	/ .8	T=	.614	/ 9.6
LAT= 78.0	U=	1.933	/ 5.8	V=	1.698	/ 9.0	W=	.003761	/ .6	T=	.433	/ 9.3
LAT= 84.0	U=	.888	/ 6.0	V=	.866	/ 9.5	W=	.000735	/ 11.6	T=	.067	/ 8.4

Z= 129.357 KM

LAT= 0.0	U=	.002	/ 10.0	V=	2.944	/ 7.4	W=	.000004	/ 4.3	T=	0.000	/ 2.4
LAT= 6.0	U=	.325	/ 11.0	V=	2.509	/ 7.5	W=	.011823	/ 4.7	T=	1.272	/ 1.6
LAT= 12.0	U=	.616	/ 10.7	V=	1.349	/ 7.9	W=	.019849	/ 4.8	T=	2.144	/ 1.6
LAT= 18.0	U=	.873	/ 10.4	V=	.694	/ 10.9	W=	.021724	/ 4.9	T=	2.371	/ 1.7
LAT= 24.0	U=	1.088	/ 10.1	V=	1.718	/ .6	W=	.017364	/ 5.0	T=	1.948	/ 1.9
LAT= 30.0	U=	1.185	/ 9.9	V=	2.442	/ 1.0	W=	.008935	/ 5.5	T=	1.093	/ 2.3
LAT= 36.0	U=	1.058	/ 9.9	V=	2.472	/ 1.4	W=	.003295	/ 8.8	T=	.366	/ 4.7
LAT= 42.0	U=	.669	/ 10.1	V=	1.905	/ 1.9	W=	.009858	/ 10.5	T=	.897	/ 7.2
LAT= 48.0	U=	.106	/ .2	V=	1.095	/ 2.8	W=	.014252	/ 10.9	T=	1.371	/ 7.6
LAT= 54.0	U=	.857	/ 3.8	V=	.823	/ 5.2	W=	.015131	/ 11.2	T=	1.500	/ 7.9
LAT= 60.0	U=	1.231	/ 4.1	V=	1.306	/ 6.7	W=	.013052	/ 11.4	T=	1.325	/ 8.2
LAT= 66.0	U=	1.616	/ 4.4	V=	1.670	/ 7.3	W=	.010026	/ 11.6	T=	1.039	/ 8.4
LAT= 72.0	U=	1.649	/ 4.6	V=	1.688	/ 7.7	W=	.006198	/ 11.8	T=	.644	/ 8.5
LAT= 78.0	U=	1.545	/ 4.7	V=	1.375	/ 8.0	W=	.004478	/ 11.4	T=	.429	/ 8.1
LAT= 84.0	U=	.711	/ 4.9	V=	.739	/ 8.5	W=	.000720	/ 10.3	T=	.050	/ 7.3

Z= 135.169 KM

LAT= 0.0	U=	.002	/ 9.6	V=	2.563	/ 6.4	W=	.000004	/ 3.5	T=	0.000	/ 2.0
LAT= 6.0	U=	.291	/ 10.1	V=	2.198	/ 6.5	W=	.012157	/ 3.9	T=	1.106	/ .8
LAT= 12.0	U=	.547	/ 9.8	V=	1.285	/ 7.0	W=	.020303	/ 4.0	T=	1.884	/ .9
LAT= 18.0	U=	.778	/ 9.5	V=	.627	/ 9.7	W=	.022968	/ 4.1	T=	2.129	/ 1.0
LAT= 24.0	U=	.976	/ 9.2	V=	1.457	/ 11.5	W=	.019009	/ 4.3	T=	1.815	/ 1.2
LAT= 30.0	U=	1.067	/ 9.0	V=	2.103	/ .0	W=	.010726	/ 4.7	T=	1.108	/ 1.6
LAT= 36.0	U=	.961	/ 9.0	V=	2.198	/ .4	W=	.004078	/ 7.3	T=	.433	/ 3.4
LAT= 42.0	U=	.634	/ 9.3	V=	1.765	/ .9	W=	.009905	/ 9.5	T=	.769	/ 6.1
LAT= 48.0	U=	.188	/ 11.1	V=	1.106	/ 1.7	W=	.015037	/ 10.0	T=	1.237	/ 6.7
LAT= 54.0	U=	.530	/ 2.5	V=	.739	/ 3.6	W=	.016612	/ 10.3	T=	1.414	/ 7.1
LAT= 60.0	U=	1.004	/ 2.9	V=	1.022	/ 5.4	W=	.014922	/ 10.6	T=	1.304	/ 7.3
LAT= 66.0	U=	1.321	/ 3.3	V=	1.330	/ 6.1	W=	.011894	/ 10.8	T=	1.058	/ 7.5
LAT= 72.0	U=	1.351	/ 3.5	V=	1.384	/ 6.5	W=	.007513	/ 11.0	T=	.670	/ 7.6
LAT= 78.0	U=	1.274	/ 3.6	V=	1.159	/ 6.9	W=	.005203	/ 10.5	T=	.431	/ 7.1
LAT= 84.0	U=	.591	/ 3.8	V=	.657	/ 7.4	W=	.000582	/ 9.0	T=	.034	/ 6.7

Z= 141.772 KM

LAT= 0.0	U=	.002	/ 9.4	V=	2.274	/ 5.6	W=	.000004	/ 3.0	T=	0.000	/ 1.7
LAT= 6.0	U=	.259	/ 9.3	V=	1.961	/ 5.7	W=	.012332	/ 3.2	T=	.953	/ .1
LAT= 12.0	U=	.496	/ 9.0	V=	1.197	/ 6.1	W=	.021050	/ 3.2	T=	1.640	/ .2
LAT= 18.0	U=	.716	/ 8.7	V=	.569	/ 8.6	W=	.023791	/ 3.4	T=	1.890	/ .3
LAT= 24.0	U=	.899	/ 8.4	V=	1.256	/ 10.6	W=	.020211	/ 3.6	T=	1.662	/ .5
LAT= 30.0	U=	.978	/ 8.2	V=	1.849	/ 11.1	W=	.012181	/ 4.1	T=	1.084	/ .9
LAT= 36.0	U=	.871	/ 8.3	V=	1.970	/ 11.5	W=	.005103	/ 6.2	T=	.487	/ 2.4
LAT= 42.0	U=	.571	/ 8.6	V=	1.649	/ 11.9	W=	.009888	/ 8.6	T=	.679	/ 5.1
LAT= 48.0	U=	.190	/ 10.5	V=	1.101	/ .7	W=	.015444	/ 9.2	T=	1.116	/ 5.9
LAT= 54.0	U=	.500	/ 1.5	V=	.726	/ 2.4	W=	.017543	/ 9.6	T=	1.319	/ 6.3
LAT= 60.0	U=	.922	/ 1.9	V=	.868	/ 4.1	W=	.016228	/ 9.9	T=	1.256	/ 6.5
LAT= 66.0	U=	1.194	/ 2.2	V=	1.164	/ 5.0	W=	.013274	/ 10.1	T=	1.045	/ 6.7
LAT= 72.0	U=	1.209	/ 2.4	V=	1.241	/ 5.4	W=	.008530	/ 10.3	T=	.675	/ 6.8
LAT= 78.0	U=	1.142	/ 2.4	V=	1.069	/ 5.8	W=	.005692	/ 9.7	T=	.425	/ 6.3
LAT= 84.0	U=	.537	/ 2.7	V=	.626	/ 6.3	W=	.000420	/ 7.9	T=	.028	/ 6.3

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 149.425 KM

LAT= 0.0	U=	.002	/	9.2	V=	2.045	/	4.8	W=	.000004	/	2.6	T=	0.000 / 1.3
LAT= 6.0	U=	.228	/	8.4	V=	1.774	/	4.9	W=	.012457	/	2.5	T=	.823 / 11.4
LAT= 12.0	U=	.450	/	8.2	V=	1.078	/	5.3	W=	.021362	/	2.5	T=	1.431 / 11.5
LAT= 18.0	U=	.662	/	7.9	V=	.519	/	7.6	W=	.024375	/	2.7	T=	1.672 / 11.6
LAT= 24.0	U=	.830	/	7.7	V=	1.082	/	9.7	W=	.021108	/	2.9	T=	1.509 / 11.8
LAT= 30.0	U=	.888	/	7.6	V=	1.631	/	10.2	W=	.013358	/	3.4	T=	1.037 / .3
LAT= 36.0	U=	.776	/	7.6	V=	1.780	/	10.6	W=	.006121	/	5.2	T=	.522 / 1.6
LAT= 42.0	U=	.498	/	7.9	V=	1.567	/	11.1	W=	.009795	/	7.7	T=	.614 / 4.1
LAT= 48.0	U=	.151	/	9.9	V=	1.071	/	11.8	W=	.015483	/	8.5	T=	1.000 / 5.1
LAT= 54.0	U=	.466	/	.8	V=	.713	/	1.3	W=	.017907	/	8.9	T=	1.203 / 5.5
LAT= 60.0	U=	.860	/	1.1	V=	.813	/	3.1	W=	.016886	/	9.2	T=	1.172 / 5.7
LAT= 66.0	U=	1.110	/	1.4	V=	1.069	/	4.0	W=	.014034	/	9.4	T=	.994 / 6.0
LAT= 72.0	U=	1.123	/	1.5	V=	1.170	/	4.5	W=	.009136	/	9.6	T=	.651 / 6.0
LAT= 78.0	U=	1.067	/	1.5	V=	1.041	/	4.8	W=	.005909	/	9.0	T=	.405 / 5.6
LAT= 84.0	U=	.513	/	1.8	V=	.653	/	5.3	W=	.000282	/	7.6	T=	.030 / 5.9

Z= 158.420 KM

LAT= 0.0	U=	.002	/	8.8	V=	1.853	/	4.0	W=	.000006	/	2.3	T=	0.000 / 1.0
LAT= 6.0	U=	.203	/	7.6	V=	1.619	/	4.1	W=	.012642	/	1.8	T=	.718 / 10.7
LAT= 12.0	U=	.403	/	7.4	V=	1.011	/	4.5	W=	.021746	/	1.8	T=	1.256 / 10.8
LAT= 18.0	U=	.593	/	7.2	V=	.478	/	6.6	W=	.024983	/	2.0	T=	1.483 / 10.9
LAT= 24.0	U=	.739	/	7.1	V=	.922	/	8.8	W=	.021963	/	2.3	T=	1.364 / 11.2
LAT= 30.0	U=	.784	/	7.0	V=	1.422	/	9.4	W=	.014448	/	2.8	T=	.974 / 11.7
LAT= 36.0	U=	.681	/	7.0	V=	1.588	/	9.8	W=	.007164	/	4.4	T=	.539 / .9
LAT= 42.0	U=	.444	/	7.3	V=	1.405	/	10.3	W=	.009828	/	6.8	T=	.567 / 3.2
LAT= 48.0	U=	.142	/	9.1	V=	1.006	/	11.0	W=	.015526	/	7.7	T=	.690 / 4.3
LAT= 54.0	U=	.397	/	.1	V=	.668	/	.4	W=	.018150	/	8.1	T=	1.075 / 4.7
LAT= 60.0	U=	.759	/	.4	V=	.726	/	2.1	W=	.017397	/	8.4	T=	1.063 / 5.0
LAT= 66.0	U=	.996	/	.6	V=	.963	/	3.1	W=	.014593	/	8.7	T=	.909 / 5.2
LAT= 72.0	U=	1.015	/	.7	V=	1.078	/	3.6	W=	.009573	/	8.8	T=	.603 / 5.3
LAT= 78.0	U=	.972	/	.6	V=	.983	/	4.0	W=	.005998	/	8.3	T=	.371 / 4.9
LAT= 84.0	U=	.485	/	1.0	V=	.657	/	4.5	W=	.000310	/	9.0	T=	.039 / 5.3

Z= 181.310 KM

LAT= 0.0	U=	0.000	/	8.2	V=	1.556	/	2.6	W=	.000009	/	1.8	T=	0.000 / .6
LAT= 6.0	U=	.153	/	6.0	V=	1.379	/	2.7	W=	.013381	/	.5	T=	.573 / 9.5
LAT= 12.0	U=	.304	/	5.9	V=	.916	/	3.1	W=	.023125	/	.6	T=	1.004 / 9.6
LAT= 18.0	U=	.446	/	5.8	V=	.448	/	4.6	W=	.026864	/	.7	T=	1.198 / 9.8
LAT= 24.0	U=	.550	/	5.8	V=	.664	/	7.1	W=	.024196	/	1.0	T=	1.127 / 10.1
LAT= 30.0	U=	.584	/	5.8	V=	1.063	/	7.8	W=	.016905	/	1.6	T=	.853 / 10.6
LAT= 36.0	U=	.522	/	6.0	V=	1.237	/	8.3	W=	.009627	/	3.0	T=	.543 / 11.8
LAT= 42.0	U=	.384	/	6.4	V=	1.140	/	8.7	W=	.011188	/	5.2	T=	.526 / 1.7
LAT= 48.0	U=	.220	/	7.7	V=	.845	/	9.3	W=	.017157	/	6.1	T=	.744 / 2.8
LAT= 54.0	U=	.308	/	10.1	V=	.541	/	10.5	W=	.020519	/	6.6	T=	.881 / 3.3
LAT= 60.0	U=	.586	/	10.6	V=	.534	/	.4	W=	.020198	/	6.8	T=	.881 / 3.5
LAT= 66.0	U=	.784	/	10.9	V=	.726	/	1.5	W=	.017192	/	7.1	T=	.759 / 3.8
LAT= 72.0	U=	.808	/	11.0	V=	.828	/	2.0	W=	.011442	/	7.2	T=	.513 / 3.9
LAT= 78.0	U=	.752	/	11.0	V=	.763	/	2.5	W=	.006754	/	6.7	T=	.300 / 3.5
LAT= 84.0	U=	.384	/	11.5	V=	.552	/	3.2	W=	.000804	/	8.8	T=	.054 / 4.2

Z= 209.865 KM

LAT= 0.0	U=	0.000	/	7.7	V=	1.388	/	1.5	W=	.000011	/	1.2	T=	0.000 / .4
LAT= 6.0	U=	.114	/	4.4	V=	1.246	/	1.5	W=	.014461	/	11.4	T=	.496 / 8.7
LAT= 12.0	U=	.228	/	4.4	V=	.873	/	1.9	W=	.025009	/	11.8	T=	.871 / 8.8
LAT= 18.0	U=	.336	/	4.5	V=	.481	/	3.2	W=	.029179	/	11.7	T=	1.043 / 9.1
LAT= 24.0	U=	.418	/	4.6	V=	.556	/	5.5	W=	.026619	/	.0	T=	.991 / 9.4
LAT= 30.0	U=	.453	/	4.8	V=	.871	/	6.4	W=	.019205	/	.6	T=	.776 / 10.0
LAT= 36.0	U=	.422	/	5.1	V=	1.037	/	6.9	W=	.011879	/	2.0	T=	.543 / 11.1
LAT= 42.0	U=	.362	/	5.8	V=	.985	/	7.4	W=	.013580	/	4.0	T=	.541 / .7
LAT= 48.0	U=	.310	/	6.9	V=	.759	/	7.9	W=	.020356	/	5.0	T=	.718 / 1.7
LAT= 54.0	U=	.369	/	8.3	V=	.489	/	9.0	W=	.024638	/	5.5	T=	.836 / 2.2
LAT= 60.0	U=	.567	/	9.0	V=	.444	/	10.9	W=	.024761	/	5.7	T=	.841 / 2.5
LAT= 66.0	U=	.720	/	9.5	V=	.599	/	.0	W=	.021334	/	6.0	T=	.720 / 2.8
LAT= 72.0	U=	.735	/	9.5	V=	.681	/	.6	W=	.014526	/	6.1	T=	.496 / 2.8
LAT= 78.0	U=	.651	/	9.5	V=	.608	/	1.0	W=	.008478	/	5.6	T=	.278 / 2.4
LAT= 84.0	U=	.310	/	10.1	V=	.418	/	1.9	W=	.001287	/	7.1	T=	.058 / 3.2

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 240.988 KM

LAT= 0.0	U=	0.000	/	7.3	V=	1.330	/	.7	W=	.000013	/	.8	T=	0.000 / .4
LAT= 6.0	U=	.103	/	3.1	V=	1.200	/	.8	W=	.015403	/	10.8	T=	.463 / 8.3
LAT= 12.0	U=	.203	/	3.2	V=	.869	/	1.2	W=	.026595	/	10.9	T=	.815 / 8.4
LAT= 18.0	U=	.293	/	3.4	V=	.526	/	2.4	W=	.031026	/	11.1	T=	.976 / 8.7
LAT= 24.0	U=	.364	/	3.6	V=	.563	/	4.4	W=	.028429	/	11.4	T=	.935 / 9.1
LAT= 30.0	U=	.397	/	3.9	V=	.834	/	5.4	W=	.020754	/	.0	T=	.746 / 9.6
LAT= 36.0	U=	.384	/	4.5	V=	.989	/	6.0	W=	.013233	/	1.4	T=	.547 / 10.7
LAT= 42.0	U=	.369	/	5.3	V=	.953	/	6.4	W=	.015373	/	3.3	T=	.560 / .3
LAT= 48.0	U=	.386	/	6.4	V=	.746	/	7.0	W=	.023030	/	4.3	T=	.731 / 1.2
LAT= 54.0	U=	.463	/	7.4	V=	.491	/	8.0	W=	.028099	/	4.8	T=	.847 / 1.7
LAT= 60.0	U=	.636	/	8.0	V=	.442	/	9.8	W=	.028511	/	5.1	T=	.853 / 2.0
LAT= 66.0	U=	.765	/	8.5	V=	.595	/	11.0	W=	.024662	/	5.3	T=	.731 / 2.2
LAT= 72.0	U=	.774	/	8.5	V=	.675	/	11.5	W=	.016953	/	5.4	T=	.509 / 2.3
LAT= 78.0	U=	.666	/	8.4	V=	.588	/	11.9	W=	.009899	/	4.9	T=	.280 / 1.9
LAT= 84.0	U=	.306	/	9.0	V=	.375	/	.8	W=	.002106	/	6.1	T=	.063 / 2.6

Z= 272.801 KM

LAT= 0.0	U=	0.000	/	7.0	V=	1.325	/	.2	W=	.000015	/	.5	T=	0.000 / .4
LAT= 6.0	U=	.106	/	2.3	V=	1.200	/	.3	W=	.016045	/	10.3	T=	.450 / 8.1
LAT= 12.0	U=	.207	/	2.4	V=	.881	/	.7	W=	.027694	/	10.4	T=	.791 / 8.3
LAT= 18.0	U=	.293	/	2.7	V=	.550	/	1.9	W=	.032325	/	10.6	T=	.950 / 8.5
LAT= 24.0	U=	.358	/	3.0	V=	.599	/	3.8	W=	.029677	/	11.0	T=	.912 / 8.9
LAT= 30.0	U=	.388	/	3.4	V=	.860	/	4.9	W=	.021713	/	11.6	T=	.733 / 9.5
LAT= 36.0	U=	.381	/	4.1	V=	1.013	/	5.4	W=	.013853	/	1.0	T=	.550 / 10.6
LAT= 42.0	U=	.390	/	5.0	V=	.978	/	5.9	W=	.016315	/	3.0	T=	.573 / .1
LAT= 48.0	U=	.446	/	6.1	V=	.769	/	6.4	W=	.024625	/	4.0	T=	.746 / 1.0
LAT= 54.0	U=	.547	/	6.9	V=	.509	/	7.5	W=	.030224	/	4.4	T=	.862 / 1.5
LAT= 60.0	U=	.718	/	7.5	V=	.461	/	9.3	W=	.030815	/	4.7	T=	.871 / 1.7
LAT= 66.0	U=	.838	/	7.9	V=	.629	/	10.4	W=	.026679	/	4.9	T=	.744 / 2.0
LAT= 72.0	U=	.841	/	8.0	V=	.718	/	10.9	W=	.018287	/	5.0	T=	.519 / 2.0
LAT= 78.0	U=	.713	/	7.9	V=	.619	/	11.3	W=	.010599	/	4.6	T=	.284 / 1.6
LAT= 84.0	U=	.330	/	8.3	V=	.384	/	.2	W=	.002797	/	5.7	T=	.065 / 2.2

Z= 304.762 KM

LAT= 0.0	U=	0.000	/	6.9	V=	1.338	/	11.9	W=	.000015	/	.2	T=	0.000 / .4
LAT= 6.0	U=	.114	/	1.8	V=	1.213	/	.0	W=	.016373	/	10.0	T=	.446 / 8.0
LAT= 12.0	U=	.220	/	2.0	V=	.897	/	.5	W=	.028282	/	10.1	T=	.784 / 8.2
LAT= 18.0	U=	.308	/	2.3	V=	.588	/	1.7	W=	.033058	/	10.3	T=	.942 / 8.4
LAT= 24.0	U=	.371	/	2.6	V=	.636	/	3.5	W=	.030377	/	10.7	T=	.905 / 8.8
LAT= 30.0	U=	.399	/	3.1	V=	.897	/	4.5	W=	.022157	/	11.3	T=	.731 / 9.4
LAT= 36.0	U=	.392	/	3.8	V=	1.054	/	5.1	W=	.013905	/	.7	T=	.554 / 10.5
LAT= 42.0	U=	.414	/	4.9	V=	1.015	/	5.6	W=	.016502	/	2.8	T=	.582 / .0
LAT= 48.0	U=	.496	/	5.9	V=	.802	/	6.1	W=	.025196	/	3.7	T=	.754 / .9
LAT= 54.0	U=	.610	/	6.6	V=	.528	/	7.2	W=	.031084	/	4.2	T=	.873 / 1.4
LAT= 60.0	U=	.784	/	7.2	V=	.481	/	9.0	W=	.031784	/	4.5	T=	.881 / 1.6
LAT= 66.0	U=	.903	/	7.6	V=	.666	/	10.1	W=	.027556	/	4.7	T=	.754 / 1.9
LAT= 72.0	U=	.901	/	7.7	V=	.763	/	10.6	W=	.018752	/	4.8	T=	.526 / 1.9
LAT= 78.0	U=	.756	/	7.5	V=	.653	/	10.9	W=	.010750	/	4.3	T=	.289 / 1.5
LAT= 84.0	U=	.351	/	8.0	V=	.399	/	11.8	W=	.003228	/	5.5	T=	.067 / 2.1

Z= 336.754 KM

LAT= 0.0	U=	0.000	/	6.8	V=	1.353	/	11.7	W=	.000017	/	.0	T=	0.000 / .4
LAT= 6.0	U=	.123	/	1.6	V=	1.228	/	11.9	W=	.016397	/	9.8	T=	.446 / 8.0
LAT= 12.0	U=	.233	/	1.7	V=	.912	/	.3	W=	.028353	/	9.9	T=	.764 / 8.1
LAT= 18.0	U=	.323	/	2.0	V=	.606	/	1.6	W=	.033183	/	10.1	T=	.944 / 8.4
LAT= 24.0	U=	.386	/	2.4	V=	.664	/	3.4	W=	.030491	/	10.4	T=	.907 / 8.8
LAT= 30.0	U=	.412	/	2.9	V=	.931	/	4.4	W=	.022106	/	11.0	T=	.733 / 9.4
LAT= 36.0	U=	.407	/	3.7	V=	1.041	/	4.9	W=	.013470	/	.5	T=	.558 / 10.5
LAT= 42.0	U=	.435	/	4.8	V=	1.050	/	5.4	W=	.016015	/	2.6	T=	.588 / 11.9
LAT= 48.0	U=	.528	/	5.8	V=	.828	/	6.0	W=	.024847	/	3.6	T=	.763 / .8
LAT= 54.0	U=	.655	/	6.5	V=	.543	/	7.0	W=	.030828	/	4.1	T=	.884 / 1.3
LAT= 60.0	U=	.834	/	7.0	V=	.496	/	8.9	W=	.031586	/	4.4	T=	.892 / 1.6
LAT= 66.0	U=	.948	/	7.5	V=	.694	/	10.0	W=	.027448	/	4.6	T=	.761 / 1.8
LAT= 72.0	U=	.944	/	7.5	V=	.797	/	10.4	W=	.018530	/	4.7	T=	.532 / 1.9
LAT= 78.0	U=	.787	/	7.4	V=	.679	/	10.8	W=	.010519	/	4.2	T=	.293 / 1.4
LAT= 84.0	U=	.369	/	7.8	V=	.409	/	11.6	W=	.003433	/	5.4	T=	.069 / 2.0

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1000 K

Z= 368.753 KM

LAT= 0.0	U=	0.000 /	6.8	V=	1.366 /	11.7	W=	.000019 /	11.9	T=	0.000 /	.4
LAT= 6.0	U=	.127 /	1.5	V=	1.241 /	11.8	W=	.016147 /	9.6	T=	.448 /	7.9
LAT= 12.0	U=	.244 /	1.6	V=	.922 /	.3	W=	.027948 /	9.7	T=	.789 /	8.1
LAT= 18.0	U=	.336 /	1.9	V=	.621 /	1.5	W=	.032737 /	9.9	T=	.950 /	8.4
LAT= 24.0	U=	.399 /	2.3	V=	.683 /	3.3	W=	.030056 /	10.2	T=	.914 /	8.7
LAT= 30.0	U=	.425 /	2.9	V=	.957 /	4.3	W=	.021627 /	10.8	T=	.739 /	9.4
LAT= 36.0	U=	.418 /	3.6	V=	1.119 /	4.8	W=	.012651 /	.3	T=	.565 /	10.5
LAT= 42.0	U=	.450 /	4.7	V=	1.075 /	5.3	W=	.014953 /	2.5	T=	.595 /	11.9
LAT= 48.0	U=	.552 /	5.7	V=	.847 /	5.9	W=	.023700 /	3.5	T=	.772 /	.8
LAT= 54.0	U=	.683 /	6.4	V=	.554 /	6.9	W=	.029619 /	4.0	T=	.892 /	1.3
LAT= 60.0	U=	.866 /	6.9	V=	.506 /	8.8	W=	.030403 /	4.3	T=	.901 /	1.5
LAT= 66.0	U=	.981 /	7.4	V=	.713 /	9.9	W=	.026498 /	4.5	T=	.769 /	1.8
LAT= 72.0	U=	.974 /	7.5	V=	.821 /	10.4	W=	.017750 /	4.6	T=	.539 /	1.8
LAT= 78.0	U=	.810 /	7.3	V=	.696 /	10.7	W=	.010022 /	4.1	T=	.295 /	1.4
LAT= 84.0	U=	.379 /	7.8	V=	.416 /	11.6	W=	.003481 /	5.4	T=	.069 /	2.0

Z= 400.753 KM

LAT= 0.0	U=	0.000 /	6.7	V=	1.381 /	11.6	W=	.000019 /	11.7	T=	0.000 /	.4
LAT= 6.0	U=	.131 /	1.4	V=	1.254 /	11.7	W=	.015655 /	9.4	T=	.453 /	7.9
LAT= 12.0	U=	.250 /	1.6	V=	.933 /	.2	W=	.027114 /	9.5	T=	.797 /	8.1
LAT= 18.0	U=	.345 /	1.9	V=	.629 /	1.5	W=	.031780 /	9.7	T=	.959 /	8.4
LAT= 24.0	U=	.407 /	2.3	V=	.696 /	3.3	W=	.029153 /	10.0	T=	.922 /	8.7
LAT= 30.0	U=	.433 /	2.8	V=	.974 /	4.2	W=	.020819 /	10.6	T=	.746 /	9.3
LAT= 36.0	U=	.427 /	3.6	V=	1.138 /	4.8	W=	.011565 /	.0	T=	.569 /	10.5
LAT= 42.0	U=	.461 /	4.7	V=	1.095 /	5.3	W=	.013401 /	2.4	T=	.601 /	11.9
LAT= 48.0	U=	.567 /	5.7	V=	.860 /	5.8	W=	.021862 /	3.5	T=	.780 /	.8
LAT= 54.0	U=	.703 /	6.4	V=	.563 /	6.9	W=	.027584 /	4.0	T=	.903 /	1.3
LAT= 60.0	U=	.886 /	6.9	V=	.515 /	8.8	W=	.026375 /	4.2	T=	.912 /	1.5
LAT= 66.0	U=	1.002 /	7.3	V=	.726 /	9.9	W=	.024813 /	4.4	T=	.778 /	1.8
LAT= 72.0	U=	.996 /	7.4	V=	.838 /	10.3	W=	.016489 /	4.5	T=	.545 /	1.8
LAT= 78.0	U=	.825 /	7.3	V=	.709 /	10.6	W=	.009304 /	4.0	T=	.300 /	1.4
LAT= 84.0	U=	.388 /	7.7	V=	.422 /	11.5	W=	.003412 /	5.4	T=	.071 /	2.0

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

Z= 100.017 KM — T_o = 1200 K

LAT= 0.0	U=	0.000	7.8	V=	2.499	4.8	W=	0.000000	.4	T=	0.000	9.8
LAT= 6.0	U=	.093	8.6	V=	1.815	4.8	W=	.005975	2.5	T=	.494	11.9
LAT= 12.0	U=	.379	8.1	V=	.178	6.4	W=	.009108	2.6	T=	.743	11.9
LAT= 18.0	U=	.841	7.9	V=	1.720	10.6	W=	.007946	2.6	T=	.629	12.0
LAT= 24.0	U=	1.172	7.8	V=	2.760	10.7	W=	.003042	2.7	T=	.212	.1
LAT= 30.0	U=	.990	7.9	V=	2.516	10.8	W=	.003542	8.4	T=	.325	5.9
LAT= 36.0	U=	.150	9.2	V=	1.112	11.3	W=	.009291	8.6	T=	.772	6.0
LAT= 42.0	U=	1.328	1.5	V=	1.066	4.0	W=	.012504	8.6	T=	1.000	6.0
LAT= 48.0	U=	2.885	1.7	V=	3.011	4.5	W=	.012757	8.7	T=	.992	6.1
LAT= 54.0	U=	4.111	1.7	V=	4.378	4.7	W=	.010771	8.8	T=	.815	6.1
LAT= 60.0	U=	4.698	1.8	V=	4.910	4.7	W=	.007771	8.9	T=	.574	6.2
LAT= 66.0	U=	4.583	1.8	V=	4.654	4.8	W=	.004892	9.0	T=	.353	6.3
LAT= 72.0	U=	3.849	1.9	V=	3.817	4.9	W=	.002607	9.1	T=	.182	6.5
LAT= 78.0	U=	2.854	1.9	V=	2.630	4.9	W=	.002181	9.1	T=	.154	6.4
LAT= 84.0	U=	1.342	1.9	V=	1.216	5.0	W=	.000441	8.8	T=	.032	6.1

Z= 103.521 KM

LAT= 0.0	U=	.001	6.0	V=	2.643	3.1	W=	.000001	11.5	T=	0.000	8.9
LAT= 6.0	U=	.119	6.7	V=	1.949	3.1	W=	.005721	.7	T=	.541	10.1
LAT= 12.0	U=	.413	6.3	V=	.222	3.7	W=	.008802	.7	T=	.829	10.1
LAT= 18.0	U=	.868	6.2	V=	1.720	9.0	W=	.007853	.8	T=	.734	10.1
LAT= 24.0	U=	1.209	6.1	V=	2.914	9.1	W=	.003317	.8	T=	.300	10.0
LAT= 30.0	U=	1.068	6.0	V=	2.859	9.2	W=	.002911	6.8	T=	.296	4.4
LAT= 36.0	U=	.243	5.4	V=	1.428	9.4	W=	.008497	6.9	T=	.822	4.4
LAT= 42.0	U=	1.226	.3	V=	.768	2.5	W=	.011753	7.0	T=	1.124	4.4
LAT= 48.0	U=	2.895	.2	V=	2.974	3.0	W=	.012188	7.1	T=	1.158	4.5
LAT= 54.0	U=	4.310	.2	V=	4.619	3.1	W=	.010414	7.3	T=	.982	4.6
LAT= 60.0	U=	5.100	.2	V=	5.381	3.2	W=	.007590	7.4	T=	.714	4.8
LAT= 66.0	U=	5.109	.3	V=	5.248	3.3	W=	.004814	7.6	T=	.448	4.9
LAT= 72.0	U=	4.393	.3	V=	4.404	3.3	W=	.002517	7.8	T=	.234	5.1
LAT= 78.0	U=	3.385	.4	V=	3.091	3.4	W=	.002336	7.8	T=	.215	5.1
LAT= 84.0	U=	1.582	.4	V=	1.434	3.4	W=	.000517	7.4	T=	.046	4.8

Z= 107.177 KM

LAT= 0.0	U=	.001	3.9	V=	2.531	1.1	W=	.000001	10.2	T=	0.000	7.3
LAT= 6.0	U=	.140	4.6	V=	1.917	1.1	W=	.005660	10.9	T=	.671	8.1
LAT= 12.0	U=	.409	4.3	V=	.387	1.0	W=	.008737	10.9	T=	1.043	8.1
LAT= 18.0	U=	.801	4.1	V=	1.410	7.2	W=	.007889	10.9	T=	.961	8.1
LAT= 24.0	U=	1.117	4.0	V=	2.601	7.2	W=	.003564	10.8	T=	.470	7.9
LAT= 30.0	U=	1.074	3.8	V=	2.640	7.3	W=	.002446	5.4	T=	.252	3.1
LAT= 36.0	U=	.552	2.8	V=	1.603	7.3	W=	.007746	5.3	T=	.872	2.6
LAT= 42.0	U=	.910	11.3	V=	.236	1.5	W=	.010815	5.4	T=	1.247	2.7
LAT= 48.0	U=	2.278	10.8	V=	2.220	1.5	W=	.011203	5.5	T=	1.309	2.8
LAT= 54.0	U=	3.544	10.7	V=	3.784	1.6	W=	.009519	5.6	T=	1.123	2.9
LAT= 60.0	U=	4.335	10.7	V=	4.595	1.6	W=	.006883	5.8	T=	.820	3.1
LAT= 66.0	U=	4.436	10.7	V=	4.599	1.7	W=	.004296	6.0	T=	.513	3.2
LAT= 72.0	U=	3.868	10.8	V=	3.929	1.8	W=	.002100	6.1	T=	.251	3.4
LAT= 78.0	U=	3.130	10.9	V=	2.785	1.9	W=	.002307	6.2	T=	.280	3.5
LAT= 84.0	U=	1.439	10.9	V=	1.252	1.9	W=	.000573	6.0	T=	.069	3.3

Z= 111.019 KM

LAT= 0.0	U=	.001	1.8	V=	2.474	11.3	W=	.000001	8.7	T=	0.000	5.5
LAT= 6.0	U=	.154	2.8	V=	1.936	11.3	W=	.005181	9.2	T=	.766	6.3
LAT= 12.0	U=	.405	2.5	V=	.570	11.0	W=	.008071	9.2	T=	1.208	6.2
LAT= 18.0	U=	.754	2.3	V=	1.055	5.6	W=	.007467	9.1	T=	1.154	6.2
LAT= 24.0	U=	1.063	2.1	V=	2.207	5.6	W=	.003798	8.8	T=	.656	5.9
LAT= 30.0	U=	1.117	1.8	V=	2.438	5.5	W=	.002124	4.7	T=	.252	2.6
LAT= 36.0	U=	.825	1.1	V=	1.676	5.5	W=	.006659	3.9	T=	.854	1.1
LAT= 42.0	U=	.746	10.8	V=	.303	4.2	W=	.009493	3.9	T=	1.275	1.0
LAT= 48.0	U=	1.672	9.6	V=	1.453	.2	W=	.009972	3.9	T=	1.371	1.1
LAT= 54.0	U=	2.672	9.3	V=	2.793	.1	W=	.008569	4.0	T=	1.195	1.2
LAT= 60.0	U=	3.354	9.2	V=	3.543	.2	W=	.006285	4.1	T=	.888	1.3
LAT= 66.0	U=	3.481	9.3	V=	3.628	.2	W=	.003945	4.3	T=	.559	1.5
LAT= 72.0	U=	3.061	9.3	V=	3.142	.3	W=	.001923	4.3	T=	.273	1.5
LAT= 78.0	U=	2.605	9.4	V=	2.235	.4	W=	.002278	4.4	T=	.331	1.6
LAT= 84.0	U=	1.171	9.4	V=	.952	.4	W=	.000555	4.3	T=	.081	1.5

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 115.091 KM

LAT= 0.0	U= .001 / 12.0	V= 2.284 / 9.8	W= .000001 / 7.0	T= 0.000 / 3.8
LAT= 6.0	U= .158 / 1.1	V= 1.852 / 9.8	W= .004817 / 7.5	T= .799 / 4.4
LAT= 12.0	U= .379 / .9	V= .738 / 9.6	W= .007631 / 7.5	T= 1.282 / 4.4
LAT= 18.0	U= .671 / .7	V= .636 / 4.3	W= .007376 / 7.4	T= 1.279 / 4.3
LAT= 24.0	U= .942 / .4	V= 1.664 / 4.1	W= .004447 / 6.9	T= .841 / 4.0
LAT= 30.0	U= 1.052 / .2	V= 2.011 / 4.0	W= .002333 / 4.3	T= .372 / 2.1
LAT= 36.0	U= .926 / 11.6	V= 1.582 / 3.9	W= .005658 / 2.7	T= .758 / 11.9
LAT= 42.0	U= .797 / 10.2	V= .628 / 3.2	W= .008299 / 2.5	T= 1.179 / 11.6
LAT= 48.0	U= 1.196 / 8.7	V= .809 / 11.3	W= .008964 / 2.5	T= 1.311 / 11.5
LAT= 54.0	U= 1.864 / 8.2	V= 1.839 / 10.9	W= .007901 / 2.5	T= 1.176 / 11.6
LAT= 60.0	U= 2.393 / 8.0	V= 2.490 / 10.9	W= .005979 / 2.6	T= .901 / 11.7
LAT= 66.0	U= 2.534 / 8.0	V= 2.645 / 10.9	W= .003831 / 2.8	T= .583 / 11.9
LAT= 72.0	U= 2.270 / 8.0	V= 2.344 / 11.0	W= .001925 / 2.8	T= .296 / 11.9
LAT= 78.0	U= 2.038 / 8.1	V= 1.690 / 11.1	W= .002370 / 2.8	T= .369 / 11.8
LAT= 84.0	U= .895 / 8.1	V= .689 / 11.1	W= .000597 / 2.6	T= .090 / 11.5

Z= 119.451 KM

LAT= 0.0	U= .001 / 10.5	V= 2.056 / 8.5	W= .000001 / 5.3	T= 0.000 / 2.3
LAT= 6.0	U= .157 / 11.8	V= 1.716 / 8.5	W= .004877 / 6.1	T= .800 / 2.9
LAT= 12.0	U= .349 / 11.5	V= .831 / 8.4	W= .007897 / 6.0	T= 1.309 / 2.8
LAT= 18.0	U= .583 / 11.3	V= .287 / 3.2	W= .008035 / 5.9	T= 1.367 / 2.7
LAT= 24.0	U= .809 / 11.0	V= 1.179 / 2.7	W= .005623 / 5.5	T= 1.011 / 2.4
LAT= 30.0	U= .934 / 10.7	V= 1.584 / 2.7	W= .003123 / 3.8	T= .544 / 1.2
LAT= 36.0	U= .896 / 10.3	V= 1.399 / 2.6	W= .005013 / 1.8	T= .653 / 11.0
LAT= 42.0	U= .776 / 9.4	V= .773 / 2.2	W= .007518 / 1.3	T= 1.016 / 10.3
LAT= 48.0	U= .882 / 8.1	V= .440 / 11.2	W= .008410 / 1.2	T= 1.172 / 10.2
LAT= 54.0	U= 1.265 / 7.3	V= 1.125 / 9.9	W= .007646 / 1.2	T= 1.087 / 10.2
LAT= 60.0	U= 1.648 / 7.0	V= 1.666 / 9.8	W= .005990 / 1.3	T= .863 / 10.3
LAT= 66.0	U= 1.789 / 6.9	V= 1.860 / 9.8	W= .003926 / 1.4	T= .574 / 10.4
LAT= 72.0	U= 1.642 / 6.8	V= 1.703 / 9.9	W= .002042 / 1.4	T= .303 / 10.4
LAT= 78.0	U= 1.569 / 6.9	V= 1.260 / 9.9	W= .002470 / 1.4	T= .364 / 10.3
LAT= 84.0	U= .675 / 6.9	V= .503 / 10.1	W= .000648 / 1.0	T= .090 / 9.8

Z= 124.175 KM

LAT= 0.0	U= .001 / 9.4	V= 1.829 / 7.3	W= .000002 / 3.8	T= 0.000 / 1.2
LAT= 6.0	U= .149 / 10.6	V= 1.558 / 7.3	W= .005214 / 4.9	T= .768 / 1.6
LAT= 12.0	U= .317 / 10.4	V= .844 / 7.3	W= .008627 / 4.8	T= 1.282 / 1.6
LAT= 18.0	U= .511 / 10.1	V= .063 / 2.3	W= .009197 / 4.7	T= 1.393 / 1.5
LAT= 24.0	U= .702 / 9.8	V= .833 / 1.5	W= .007131 / 4.3	T= 1.125 / 1.2
LAT= 30.0	U= .825 / 9.5	V= 1.246 / 1.4	W= .004268 / 3.2	T= .692 / .4
LAT= 36.0	U= .824 / 9.2	V= 1.204 / 1.4	W= .004629 / 1.2	T= .570 / 10.5
LAT= 42.0	U= .721 / 8.5	V= .796 / 1.1	W= .006957 / .4	T= .825 / 9.4
LAT= 48.0	U= .692 / 7.4	V= .360 / 11.4	W= .008139 / .2	T= .993 / 9.1
LAT= 54.0	U= .876 / 6.5	V= .681 / 9.2	W= .007704 / .2	T= .960 / 9.1
LAT= 60.0	U= 1.143 / 6.0	V= 1.110 / 8.8	W= .006288 / .2	T= .797 / 9.1
LAT= 66.0	U= 1.271 / 5.9	V= 1.308 / 8.8	W= .004256 / .3	T= .549 / 9.2
LAT= 72.0	U= 1.195 / 5.8	V= 1.243 / 8.9	W= .002281 / .3	T= .299 / 9.2
LAT= 78.0	U= 1.200 / 5.8	V= .950 / 9.0	W= .002672 / 12.0	T= .338 / 8.8
LAT= 84.0	U= .512 / 5.9	V= .394 / 9.3	W= .000680 / 11.6	T= .079 / 8.3

Z= 129.367 KM

LAT= 0.0	U= .001 / 8.6	V= 1.623 / 6.3	W= .000002 / 2.7	T= 0.000 / .5
LAT= 6.0	U= .139 / 9.7	V= 1.400 / 6.3	W= .005603 / 3.8	T= .707 / .6
LAT= 12.0	U= .287 / 9.4	V= .811 / 6.3	W= .009446 / 3.8	T= 1.200 / .6
LAT= 18.0	U= .456 / 9.0	V= .066 / 7.3	W= .010447 / 3.7	T= 1.352 / .5
LAT= 24.0	U= .626 / 8.7	V= .617 / .2	W= .008671 / 3.4	T= 1.164 / .3
LAT= 30.0	U= .745 / 8.4	V= 1.010 / .2	W= .005537 / 2.7	T= .785 / 11.7
LAT= 36.0	U= .758 / 8.1	V= 1.044 / .2	W= .004447 / .9	T= .529 / 10.3
LAT= 42.0	U= .669 / 7.7	V= .773 / 12.0	W= .006399 / 11.7	T= .647 / 8.8
LAT= 48.0	U= .582 / 6.8	V= .396 / 11.1	W= .007898 / 11.4	T= .811 / 8.3
LAT= 54.0	U= .638 / 5.8	V= .433 / 8.7	W= .007856 / 11.2	T= .827 / 8.2
LAT= 60.0	U= .914 / 5.2	V= .747 / 8.0	W= .006716 / 11.3	T= .724 / 8.2
LAT= 66.0	U= .917 / 5.0	V= .929 / 7.9	W= .004737 / 11.3	T= .519 / 8.2
LAT= 72.0	U= .677 / 4.8	V= .916 / 7.9	W= .002618 / 11.3	T= .290 / 8.1
LAT= 78.0	U= .909 / 4.7	V= .728 / 8.1	W= .003024 / 10.9	T= .318 / 7.6
LAT= 84.0	U= .389 / 4.9	V= .332 / 8.6	W= .000707 / 10.3	T= .067 / 7.1

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 135.169 KM

LAT= 0.0	U=	.001	/	8.1	V=	1.453	/	5.3	W=	.000002	/	2.0	T=	0.000	/	12.0
LAT= 6.0	U=	.127	/	8.8	V=	1.265	/	5.3	W=	.005891	/	2.9	T=	.632	/	11.8
LAT= 12.0	U=	.263	/	8.4	V=	.763	/	5.4	W=	.010079	/	2.9	T=	1.093	/	11.7
LAT= 18.0	U=	.417	/	8.0	V=	.133	/	6.4	W=	.011463	/	2.8	T=	1.269	/	11.6
LAT= 24.0	U=	.578	/	7.7	V=	.492	/	11.0	W=	.009975	/	2.6	T=	1.148	/	11.5
LAT= 30.0	U=	.695	/	7.4	V=	.860	/	11.1	W=	.006728	/	2.1	T=	.828	/	11.1
LAT= 36.0	U=	.717	/	7.2	V=	.936	/	11.1	W=	.004460	/	.6	T=	.521	/	10.0
LAT= 42.0	U=	.640	/	6.8	V=	.753	/	11.0	W=	.005733	/	11.1	T=	.507	/	8.5
LAT= 48.0	U=	.533	/	6.1	V=	.444	/	10.4	W=	.007478	/	10.6	T=	.651	/	7.7
LAT= 54.0	U=	.512	/	5.1	V=	.319	/	8.4	W=	.007847	/	10.5	T=	.706	/	7.4
LAT= 60.0	U=	.615	/	4.4	V=	.514	/	7.3	W=	.007029	/	10.5	T=	.651	/	7.4
LAT= 66.0	U=	.686	/	4.1	V=	.673	/	7.0	W=	.005175	/	10.6	T=	.488	/	7.4
LAT= 72.0	U=	.656	/	3.9	V=	.691	/	7.0	W=	.002958	/	10.4	T=	.281	/	7.2
LAT= 78.0	U=	.692	/	3.7	V=	.571	/	7.1	W=	.003387	/	9.9	T=	.305	/	6.6
LAT= 84.0	U=	.300	/	4.0	V=	.291	/	7.8	W=	.000707	/	9.2	T=	.056	/	6.0

Z= 141.772 KM

LAT= 0.0	U=	.001	/	7.7	V=	1.317	/	4.4	W=	.000003	/	1.5	T=	0.000	/	11.6
LAT= 6.0	U=	.118	/	7.9	V=	1.154	/	4.4	W=	.006049	/	2.1	T=	.560	/	10.9
LAT= 12.0	U=	.245	/	7.6	V=	.718	/	4.5	W=	.010466	/	2.1	T=	.982	/	10.9
LAT= 18.0	U=	.392	/	7.2	V=	.169	/	5.5	W=	.012153	/	2.1	T=	1.168	/	10.9
LAT= 24.0	U=	.547	/	6.9	V=	.412	/	9.8	W=	.010944	/	1.9	T=	1.100	/	10.8
LAT= 30.0	U=	.662	/	6.6	V=	.762	/	10.1	W=	.007726	/	1.5	T=	.837	/	10.5
LAT= 36.0	U=	.694	/	6.3	V=	.866	/	10.1	W=	.004662	/	.4	T=	.526	/	9.7
LAT= 42.0	U=	.633	/	6.0	V=	.745	/	10.0	W=	.004976	/	10.7	T=	.409	/	8.2
LAT= 48.0	U=	.531	/	5.4	V=	.489	/	9.6	W=	.006793	/	10.0	T=	.514	/	7.1
LAT= 54.0	U=	.468	/	4.5	V=	.290	/	8.3	W=	.007514	/	9.8	T=	.591	/	6.7
LAT= 60.0	U=	.516	/	3.7	V=	.369	/	6.7	W=	.007025	/	9.8	T=	.576	/	6.7
LAT= 66.0	U=	.550	/	3.3	V=	.505	/	6.2	W=	.005374	/	9.9	T=	.450	/	6.6
LAT= 72.0	U=	.513	/	3.0	V=	.544	/	6.1	W=	.003173	/	9.7	T=	.266	/	6.4
LAT= 78.0	U=	.557	/	2.6	V=	.471	/	6.2	W=	.003559	/	9.1	T=	.288	/	5.7
LAT= 84.0	U=	.245	/	3.0	V=	.262	/	6.8	W=	.000664	/	8.4	T=	.049	/	5.1

Z= 149.425 KM

LAT= 0.0	U=	.001	/	7.4	V=	1.200	/	3.5	W=	.000003	/	1.2	T=	0.000	/	11.2
LAT= 6.0	U=	.108	/	7.0	V=	1.058	/	3.5	W=	.006139	/	1.3	T=	.497	/	10.1
LAT= 12.0	U=	.229	/	6.7	V=	.679	/	3.6	W=	.010703	/	1.3	T=	.879	/	10.1
LAT= 18.0	U=	.369	/	6.4	V=	.194	/	4.5	W=	.012619	/	1.3	T=	1.068	/	10.1
LAT= 24.0	U=	.515	/	6.1	V=	.343	/	8.8	W=	.011661	/	1.2	T=	1.034	/	10.0
LAT= 30.0	U=	.626	/	5.9	V=	.678	/	9.1	W=	.008556	/	1.0	T=	.821	/	9.8
LAT= 36.0	U=	.665	/	5.6	V=	.807	/	9.2	W=	.005042	/	.2	T=	.532	/	9.3
LAT= 42.0	U=	.626	/	5.3	V=	.732	/	9.1	W=	.004245	/	10.4	T=	.345	/	8.0
LAT= 48.0	U=	.541	/	4.8	V=	.521	/	8.9	W=	.005901	/	9.4	T=	.394	/	6.7
LAT= 54.0	U=	.461	/	4.0	V=	.304	/	8.0	W=	.006868	/	9.2	T=	.477	/	6.1
LAT= 60.0	U=	.463	/	3.2	V=	.260	/	6.3	W=	.006677	/	9.2	T=	.488	/	6.0
LAT= 66.0	U=	.461	/	2.6	V=	.390	/	5.5	W=	.005269	/	9.2	T=	.396	/	5.9
LAT= 72.0	U=	.415	/	2.2	V=	.445	/	5.2	W=	.003190	/	9.0	T=	.242	/	5.6
LAT= 78.0	U=	.469	/	1.7	V=	.406	/	5.2	W=	.003464	/	8.4	T=	.258	/	4.9
LAT= 84.0	U=	.209	/	2.1	V=	.240	/	5.8	W=	.000591	/	7.6	T=	.041	/	4.4

Z= 158.420 KM

LAT= 0.0	U=	.001	/	7.0	V=	1.094	/	2.6	W=	.000004	/	.9	T=	0.000	/	10.9
LAT= 6.0	U=	.100	/	6.1	V=	.971	/	2.7	W=	.006221	/	.6	T=	.442	/	9.3
LAT= 12.0	U=	.211	/	5.9	V=	.641	/	2.8	W=	.010914	/	.6	T=	.789	/	9.3
LAT= 18.0	U=	.337	/	5.7	V=	.211	/	3.5	W=	.013024	/	.6	T=	.970	/	9.3
LAT= 24.0	U=	.465	/	5.4	V=	.276	/	7.8	W=	.012293	/	.5	T=	.961	/	9.3
LAT= 30.0	U=	.567	/	5.2	V=	.591	/	8.3	W=	.009338	/	.4	T=	.789	/	9.2
LAT= 36.0	U=	.611	/	5.0	V=	.736	/	8.4	W=	.005590	/	11.8	T=	.530	/	8.9
LAT= 42.0	U=	.590	/	4.7	V=	.701	/	8.3	W=	.003683	/	10.2	T=	.310	/	7.9
LAT= 48.0	U=	.523	/	4.2	V=	.534	/	8.2	W=	.004933	/	8.9	T=	.287	/	6.3
LAT= 54.0	U=	.434	/	3.6	V=	.328	/	7.6	W=	.006081	/	8.5	T=	.359	/	5.5
LAT= 60.0	U=	.401	/	2.8	V=	.232	/	6.1	W=	.006157	/	8.4	T=	.388	/	5.3
LAT= 66.0	U=	.372	/	2.1	V=	.298	/	4.9	W=	.004997	/	8.4	T=	.326	/	5.2
LAT= 72.0	U=	.325	/	1.5	V=	.357	/	4.5	W=	.003072	/	8.2	T=	.204	/	4.9
LAT= 78.0	U=	.379	/	.9	V=	.343	/	4.5	W=	.003234	/	7.5	T=	.214	/	4.2
LAT= 84.0	U=	.176	/	1.3	V=	.222	/	5.0	W=	.000510	/	6.9	T=	.034	/	3.7

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1200 K

Z= 181.310 KM

LAT= 0.0	U= .001 / 6.2	V= .919 / 1.0	W= .000005 / .3	T= 0.000 / 10.5
LAT= 6.0	U= .085 / 4.3	V= .828 / 1.1	W= .006486 / 11.1	T= .355 / 7.9
LAT= 12.0	U= .174 / 4.2	V= .577 / 1.2	W= .011503 / 11.1	T= .639 / 7.9
LAT= 18.0	U= .268 / 4.1	V= .238 / 1.6	W= .014015 / 11.1	T= .801 / 8.0
LAT= 24.0	U= .361 / 4.0	V= .148 / 6.0	W= .013700 / 11.2	T= .818 / 8.0
LAT= 30.0	U= .435 / 3.8	V= .418 / 6.7	W= .011006 / 11.1	T= .706 / 8.0
LAT= 36.0	U= .471 / 3.7	V= .577 / 6.8	W= .007016 / 10.9	T= .510 / 7.9
LAT= 42.0	U= .465 / 3.5	V= .600 / 6.9	W= .003381 / 10.0	T= .293 / 7.6
LAT= 48.0	U= .421 / 3.2	V= .510 / 6.8	W= .003115 / 7.8	T= .144 / 6.4
LAT= 54.0	U= .338 / 2.7	V= .355 / 6.5	W= .004651 / 6.9	T= .148 / 4.4
LAT= 60.0	U= .276 / 2.0	V= .211 / 5.8	W= .005274 / 6.8	T= .196 / 3.9
LAT= 66.0	U= .216 / 1.1	V= .166 / 4.3	W= .004572 / 6.7	T= .185 / 3.6
LAT= 72.0	U= .173 / .2	V= .197 / 3.4	W= .002877 / 6.5	T= .123 / 3.2
LAT= 78.0	U= .210 / 11.2	V= .206 / 3.1	W= .003054 / 5.7	T= .128 / 2.4
LAT= 84.0	U= .105 / 12.0	V= .164 / 3.8	W= .000383 / 5.4	T= .019 / 2.4

Z= 209.865 KM

LAT= 0.0	U= .001 / 5.6	V= .815 / 11.7	W= .000006 / 11.5	T= 0.000 / 10.3
LAT= 6.0	U= .068 / 2.8	V= .744 / 11.7	W= .007013 / 9.8	T= .299 / 6.8
LAT= 12.0	U= .138 / 2.7	V= .549 / 11.8	W= .012471 / 9.9	T= .541 / 6.9
LAT= 18.0	U= .211 / 2.7	V= .279 / 12.0	W= .015306 / 9.9	T= .686 / 7.0
LAT= 24.0	U= .280 / 2.6	V= .065 / 3.2	W= .015185 / 10.0	T= .716 / 7.1
LAT= 30.0	U= .334 / 2.5	V= .270 / 5.3	W= .012521 / 10.0	T= .639 / 7.2
LAT= 36.0	U= .359 / 2.4	V= .427 / 5.5	W= .008308 / 10.0	T= .486 / 7.3
LAT= 42.0	U= .353 / 2.3	V= .482 / 5.6	W= .003807 / 9.7	T= .301 / 7.3
LAT= 48.0	U= .323 / 2.2	V= .444 / 5.6	W= .001557 / 6.9	T= .129 / 7.3
LAT= 54.0	U= .260 / 1.9	V= .340 / 5.5	W= .003624 / 5.4	T= .014 / 3.1
LAT= 60.0	U= .203 / 1.3	V= .214 / 5.1	W= .004729 / 5.3	T= .084 / 2.1
LAT= 66.0	U= .135 / .4	V= .118 / 4.2	W= .004425 / 5.2	T= .108 / 1.8
LAT= 72.0	U= .086 / 11.3	V= .096 / 2.8	W= .002938 / 4.9	T= .082 / 1.4
LAT= 78.0	U= .113 / 9.6	V= .102 / 2.2	W= .003154 / 4.2	T= .092 / .7
LAT= 84.0	U= .052 / 11.0	V= .097 / 3.1	W= .000396 / 3.9	T= .013 / .8

Z= 240.988 KM

LAT= 0.0	U= 0.000 / 5.1	V= .780 / 10.6	W= .000007 / 10.9	T= 0.000 / 10.3
LAT= 6.0	U= .054 / 1.4	V= .719 / 10.7	W= .007742 / 8.9	T= .275 / 6.1
LAT= 12.0	U= .110 / 1.4	V= .552 / 10.8	W= .013693 / 9.0	T= .499 / 6.2
LAT= 18.0	U= .169 / 1.4	V= .319 / 11.1	W= .016711 / 9.1	T= .636 / 6.4
LAT= 24.0	U= .225 / 1.4	V= .100 / .5	W= .016546 / 9.2	T= .668 / 6.5
LAT= 30.0	U= .272 / 1.4	V= .189 / 3.8	W= .013702 / 9.2	T= .606 / 6.7
LAT= 36.0	U= .296 / 1.4	V= .333 / 4.3	W= .009202 / 9.3	T= .475 / 6.9
LAT= 42.0	U= .292 / 1.4	V= .401 / 4.5	W= .004236 / 9.4	T= .311 / 7.1
LAT= 48.0	U= .269 / 1.4	V= .391 / 4.6	W= .000424 / 5.8	T= .158 / 7.5
LAT= 54.0	U= .219 / 1.3	V= .319 / 4.6	W= .003428 / 3.9	T= .059 / 9.4
LAT= 60.0	U= .169 / .8	V= .216 / 4.5	W= .004834 / 4.0	T= .068 / 11.8
LAT= 66.0	U= .095 / .2	V= .115 / 4.2	W= .004750 / 3.9	T= .096 / .3
LAT= 72.0	U= .036 / 11.3	V= .052 / 3.2	W= .003289 / 3.6	T= .078 / 12.0
LAT= 78.0	U= .059 / 7.9	V= .038 / 1.9	W= .003380 / 3.0	T= .087 / 11.6
LAT= 84.0	U= .018 / 10.5	V= .055 / 2.9	W= .000483 / 3.0	T= .013 / 11.5

Z= 272.801 KM

LAT= 0.0	U= 0.000 / 4.8	V= .790 / 9.9	W= .000008 / 10.5	T= 0.000 / 10.3
LAT= 6.0	U= .049 / .3	V= .732 / 10.0	W= .008434 / 8.3	T= .268 / 5.7
LAT= 12.0	U= .101 / .3	V= .572 / 10.1	W= .014847 / 8.4	T= .485 / 5.8
LAT= 18.0	U= .155 / .4	V= .352 / 10.5	W= .018016 / 8.5	T= .619 / 6.0
LAT= 24.0	U= .207 / .5	V= .147 / 11.7	W= .017773 / 8.6	T= .653 / 6.2
LAT= 30.0	U= .251 / .6	V= .174 / 2.6	W= .014711 / 8.7	T= .595 / 6.4
LAT= 36.0	U= .278 / .6	V= .304 / 3.4	W= .009879 / 8.9	T= .472 / 6.6
LAT= 42.0	U= .274 / .7	V= .374 / 3.7	W= .004503 / 9.1	T= .320 / 6.9
LAT= 48.0	U= .252 / .8	V= .374 / 3.8	W= .000424 / 1.6	T= .179 / 7.6
LAT= 54.0	U= .206 / .9	V= .316 / 3.9	W= .003948 / 3.0	T= .097 / 9.1
LAT= 60.0	U= .158 / .6	V= .222 / 4.0	W= .005520 / 3.2	T= .088 / 10.7
LAT= 66.0	U= .081 / .5	V= .124 / 4.1	W= .005449 / 3.2	T= .105 / 11.4
LAT= 72.0	U= .023 / 1.3	V= .051 / 4.2	W= .003763 / 2.9	T= .085 / 11.3
LAT= 78.0	U= .050 / 5.6	V= .016 / 4.5	W= .003725 / 2.2	T= .088 / 10.9
LAT= 84.0	U= .005 / 2.5	V= .035 / 3.1	W= .000541 / 2.4	T= .014 / 11.0

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (*contd*)

T_o = 1200 K

Z= 304.762 KM

LAT= 0.0	U=	0.000 / 4.5	V=	.818 / 9.5	W=	.000010 / 10.2	T=	0.000 / 10.3
LAT= 6.0	U=	.052 / 11.5	V=	.760 / 9.5	W=	.008921 / 7.9	T=	.267 / 5.5
LAT= 12.0	U=	.105 / 11.6	V=	.599 / 9.7	W=	.015683 / 8.0	T=	.484 / 5.7
LAT= 18.0	U=	.159 / 11.7	V=	.379 / 10.1	W=	.019005 / 8.1	T=	.617 / 5.8
LAT= 24.0	U=	.211 / 11.9	V=	.181 / 11.3	W=	.018731 / 8.2	T=	.650 / 6.0
LAT= 30.0	U=	.256 / 12.0	V=	.190 / 1.8	W=	.015487 / 8.4	T=	.595 / 6.3
LAT= 36.0	U=	.284 / .1	V=	.310 / 2.8	W=	.010339 / 8.5	T=	.476 / 6.5
LAT= 42.0	U=	.280 / .3	V=	.381 / 3.1	W=	.004582 / 8.8	T=	.327 / 6.9
LAT= 48.0	U=	.254 / .5	V=	.383 / 3.4	W=	.000838 / 1.3	T=	.193 / 7.5
LAT= 54.0	U=	.207 / .6	V=	.326 / 3.5	W=	.004607 / 2.5	T=	.119 / 9.0
LAT= 60.0	U=	.158 / .6	V=	.233 / 3.7	W=	.006311 / 2.8	T=	.104 / 10.3
LAT= 66.0	U=	.082 / .8	V=	.133 / 4.0	W=	.006165 / 2.7	T=	.113 / 11.0
LAT= 72.0	U=	.042 / 2.3	V=	.066 / 4.7	W=	.004165 / 2.5	T=	.090 / 11.0
LAT= 78.0	U=	.070 / 4.4	V=	.036 / 5.7	W=	.004041 / 1.7	T=	.090 / 10.6
LAT= 84.0	U=	.018 / 3.1	V=	.028 / 3.5	W=	.000570 / 2.1	T=	.015 / 10.7

Z= 336.754 KM

LAT= 0.0	U=	0.000 / 4.3	V=	.847 / 9.2	W=	.000011 / 10.0	T=	0.000 / 10.3
LAT= 6.0	U=	.057 / 11.0	V=	.787 / 9.3	W=	.009146 / 7.7	T=	.269 / 5.4
LAT= 12.0	U=	.114 / 11.1	V=	.623 / 9.5	W=	.016093 / 7.8	T=	.488 / 5.6
LAT= 18.0	U=	.171 / 11.3	V=	.401 / 9.9	W=	.019521 / 7.9	T=	.622 / 5.7
LAT= 24.0	U=	.225 / 11.5	V=	.204 / 11.1	W=	.019244 / 8.0	T=	.657 / 6.0
LAT= 30.0	U=	.270 / 11.7	V=	.210 / 1.4	W=	.015879 / 8.1	T=	.601 / 6.2
LAT= 36.0	U=	.299 / 11.9	V=	.328 / 2.4	W=	.010494 / 8.3	T=	.483 / 6.4
LAT= 42.0	U=	.293 / 12.0	V=	.399 / 2.8	W=	.004449 / 8.5	T=	.335 / 6.8
LAT= 48.0	U=	.264 / .3	V=	.401 / 3.1	W=	.001102 / 1.6	T=	.202 / 7.5
LAT= 54.0	U=	.214 / .5	V=	.342 / 3.3	W=	.005145 / 2.4	T=	.130 / 8.9
LAT= 60.0	U=	.162 / .5	V=	.245 / 3.5	W=	.006948 / 2.6	T=	.114 / 10.2
LAT= 66.0	U=	.088 / 1.0	V=	.143 / 3.9	W=	.006707 / 2.5	T=	.120 / 10.9
LAT= 72.0	U=	.059 / 2.4	V=	.078 / 4.9	W=	.004424 / 2.3	T=	.094 / 10.9
LAT= 78.0	U=	.090 / 3.9	V=	.053 / 5.7	W=	.004247 / 1.4	T=	.091 / 10.5
LAT= 84.0	U=	.028 / 3.0	V=	.026 / 3.8	W=	.000577 / 1.8	T=	.015 / 10.6

Z= 368.753 KM

LAT= 0.0	U=	0.000 / 4.2	V=	.873 / 9.1	W=	.000012 / 9.8	T=	0.000 / 10.3
LAT= 6.0	U=	.063 / 10.8	V=	.811 / 9.1	W=	.009117 / 7.5	T=	.273 / 5.4
LAT= 12.0	U=	.123 / 10.9	V=	.645 / 9.3	W=	.016060 / 7.6	T=	.496 / 5.5
LAT= 18.0	U=	.183 / 11.1	V=	.419 / 9.8	W=	.019502 / 7.7	T=	.631 / 5.7
LAT= 24.0	U=	.239 / 11.3	V=	.221 / 11.0	W=	.019219 / 7.8	T=	.666 / 5.9
LAT= 30.0	U=	.286 / 11.5	V=	.227 / 1.2	W=	.015805 / 7.9	T=	.610 / 6.1
LAT= 36.0	U=	.315 / 11.7	V=	.346 / 2.2	W=	.010310 / 8.1	T=	.490 / 6.4
LAT= 42.0	U=	.307 / 11.9	V=	.419 / 2.6	W=	.004137 / 8.2	T=	.342 / 6.8
LAT= 48.0	U=	.274 / .2	V=	.419 / 2.9	W=	.001363 / 2.2	T=	.209 / 7.5
LAT= 54.0	U=	.221 / .4	V=	.358 / 3.1	W=	.005519 / 2.3	T=	.138 / 8.9
LAT= 60.0	U=	.168 / .5	V=	.255 / 3.4	W=	.007360 / 2.5	T=	.121 / 10.1
LAT= 66.0	U=	.094 / 1.1	V=	.150 / 3.9	W=	.007019 / 2.4	T=	.125 / 10.8
LAT= 72.0	U=	.071 / 2.4	V=	.088 / 4.9	W=	.004533 / 2.2	T=	.097 / 10.8
LAT= 78.0	U=	.105 / 3.6	V=	.064 / 5.7	W=	.004325 / 1.3	T=	.093 / 10.4
LAT= 84.0	U=	.033 / 3.0	V=	.029 / 4.0	W=	.000566 / 1.7	T=	.015 / 10.5

Z= 400.753 KM

LAT= 0.0	U=	0.000 / 4.1	V=	.894 / 9.0	W=	.000013 / 9.6	T=	0.000 / 10.3
LAT= 6.0	U=	.066 / 10.7	V=	.832 / 9.0	W=	.008854 / 7.4	T=	.279 / 5.4
LAT= 12.0	U=	.130 / 10.8	V=	.663 / 9.2	W=	.015606 / 7.5	T=	.504 / 5.5
LAT= 18.0	U=	.193 / 11.0	V=	.433 / 9.7	W=	.018954 / 7.5	T=	.642 / 5.7
LAT= 24.0	U=	.251 / 11.2	V=	.233 / 10.9	W=	.018656 / 7.6	T=	.679 / 5.9
LAT= 30.0	U=	.299 / 11.4	V=	.239 / 1.1	W=	.015274 / 7.7	T=	.622 / 6.1
LAT= 36.0	U=	.327 / 11.6	V=	.361 / 2.1	W=	.009827 / 7.8	T=	.500 / 6.4
LAT= 42.0	U=	.319 / 11.8	V=	.434 / 2.5	W=	.003737 / 7.8	T=	.349 / 6.8
LAT= 48.0	U=	.284 / .1	V=	.434 / 2.8	W=	.001764 / 2.7	T=	.214 / 7.5
LAT= 54.0	U=	.229 / .4	V=	.371 / 3.0	W=	.005757 / 2.4	T=	.142 / 8.9
LAT= 60.0	U=	.175 / .5	V=	.264 / 3.3	W=	.007557 / 2.5	T=	.125 / 10.1
LAT= 66.0	U=	.100 / 1.2	V=	.156 / 3.9	W=	.007106 / 2.4	T=	.128 / 10.7
LAT= 72.0	U=	.078 / 2.4	V=	.093 / 4.9	W=	.004503 / 2.2	T=	.100 / 10.8
LAT= 78.0	U=	.114 / 3.5	V=	.070 / 5.7	W=	.004283 / 1.2	T=	.095 / 10.4
LAT= 84.0	U=	.037 / 2.9	V=	.030 / 4.0	W=	.000542 / 1.6	T=	.016 / 10.5

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

Z= 100.017 KM — T_o = 1400 K

LAT= 0.0	U=	0.000	7.7	V=	2.756	4.7	W=	0.000000	.5	T=	0.000	9.9
LAT= 6.0	U=	.109	8.5	V=	2.003	4.8	W=	.006464	2.5	T=	.501	11.9
LAT= 12.0	U=	.429	7.9	V=	.207	6.3	W=	.009874	2.5	T=	.753	12.0
LAT= 18.0	U=	.938	7.8	V=	1.889	10.5	W=	.008662	2.5	T=	.640	12.0
LAT= 24.0	U=	1.300	7.7	V=	3.030	10.6	W=	.003417	2.7	T=	.219	.1
LAT= 30.0	U=	1.097	7.8	V=	2.760	10.7	W=	.003687	8.3	T=	.322	5.8
LAT= 36.0	U=	.188	9.3	V=	1.221	11.2	W=	.009890	8.5	T=	.772	5.9
LAT= 42.0	U=	1.462	1.4	V=	1.186	3.9	W=	.013384	8.5	T=	1.000	6.0
LAT= 48.0	U=	3.163	1.5	V=	3.307	4.4	W=	.013693	8.6	T=	.990	6.0
LAT= 54.0	U=	4.497	1.6	V=	4.792	4.5	W=	.011581	8.7	T=	.812	6.1
LAT= 60.0	U=	5.130	1.6	V=	5.361	4.6	W=	.008367	8.8	T=	.570	6.2
LAT= 66.0	U=	4.990	1.7	V=	5.071	4.7	W=	.005272	8.9	T=	.350	6.3
LAT= 72.0	U=	4.190	1.7	V=	4.153	4.7	W=	.002848	9.1	T=	.183	6.5
LAT= 78.0	U=	3.076	1.8	V=	2.859	4.8	W=	.002247	9.1	T=	.144	6.4
LAT= 84.0	U=	1.455	1.8	V=	1.336	4.8	W=	.000427	8.7	T=	.028	6.0

Z= 103.521 KM

LAT= 0.0	U=	.001	5.9	V=	2.945	3.0	W=	.000001	11.5	T=	0.000	9.0
LAT= 6.0	U=	.144	6.6	V=	2.174	3.0	W=	.006185	.6	T=	.567	10.0
LAT= 12.0	U=	.478	6.2	V=	.262	3.8	W=	.009519	.6	T=	.868	10.1
LAT= 18.0	U=	.983	6.1	V=	1.913	8.9	W=	.008513	.7	T=	.769	10.1
LAT= 24.0	U=	1.355	6.0	V=	3.241	9.0	W=	.003654	.9	T=	.313	10.1
LAT= 30.0	U=	1.187	6.0	V=	3.127	9.1	W=	.003070	6.5	T=	.306	4.2
LAT= 36.0	U=	.245	5.7	V=	1.599	9.3	W=	.009039	6.7	T=	.855	4.2
LAT= 42.0	U=	1.371	.1	V=	.901	2.3	W=	.012514	6.9	T=	1.168	4.3
LAT= 48.0	U=	3.229	12.0	V=	3.312	2.8	W=	.012970	7.0	T=	1.202	4.4
LAT= 54.0	U=	4.797	.1	V=	5.136	3.0	W=	.011072	7.2	T=	1.018	4.5
LAT= 60.0	U=	5.666	.1	V=	5.979	3.1	W=	.008056	7.4	T=	.738	4.7
LAT= 66.0	U=	5.672	.1	V=	5.826	3.1	W=	.005106	7.6	T=	.464	4.9
LAT= 72.0	U=	4.868	.2	V=	4.887	3.2	W=	.002691	7.8	T=	.243	5.1
LAT= 78.0	U=	3.735	.3	V=	3.432	3.3	W=	.002377	7.7	T=	.214	5.1
LAT= 84.0	U=	1.752	.3	V=	1.605	3.2	W=	.000516	7.3	T=	.044	4.6

Z= 107.177 KM

LAT= 0.0	U=	.001	3.7	V=	2.807	1.0	W=	.000001	10.2	T=	0.000	7.3
LAT= 6.0	U=	.166	4.5	V=	2.124	1.0	W=	.006073	10.8	T=	.735	8.0
LAT= 12.0	U=	.470	4.2	V=	.393	1.0	W=	.009359	10.8	T=	1.141	8.0
LAT= 18.0	U=	.900	4.0	V=	1.580	7.0	W=	.008414	10.8	T=	1.043	8.0
LAT= 24.0	U=	1.238	3.9	V=	2.900	7.1	W=	.003742	10.8	T=	.497	7.9
LAT= 30.0	U=	1.167	3.7	V=	2.980	7.1	W=	.002635	5.0	T=	.275	2.6
LAT= 36.0	U=	.539	2.8	V=	1.774	7.2	W=	.008280	5.1	T=	.958	2.4
LAT= 42.0	U=	.994	11.0	V=	.297	.5	W=	.011491	5.2	T=	1.361	2.5
LAT= 48.0	U=	2.539	10.5	V=	2.480	1.2	W=	.011835	5.3	T=	1.421	2.6
LAT= 54.0	U=	3.945	10.5	V=	4.205	1.3	W=	.009999	5.4	T=	1.212	2.7
LAT= 60.0	U=	4.805	10.5	V=	5.093	1.4	W=	.007183	5.6	T=	.879	2.9
LAT= 66.0	U=	4.913	10.5	V=	5.085	1.5	W=	.004465	5.8	T=	.549	3.1
LAT= 72.0	U=	4.259	10.6	V=	4.337	1.6	W=	.002176	6.1	T=	.267	3.3
LAT= 78.0	U=	3.440	10.7	V=	3.071	1.7	W=	.002288	6.0	T=	.286	3.3
LAT= 84.0	U=	1.585	10.7	V=	1.385	1.7	W=	.000565	5.8	T=	.070	3.0

Z= 111.019 KM

LAT= 0.0	U=	.001	1.6	V=	2.668	11.1	W=	.000001	8.6	T=	0.000	5.4
LAT= 6.0	U=	.171	2.6	V=	2.060	11.1	W=	.005412	9.0	T=	.852	6.0
LAT= 12.0	U=	.442	2.3	V=	.585	10.9	W=	.008405	9.0	T=	1.339	6.0
LAT= 18.0	U=	.814	2.1	V=	1.176	5.4	W=	.007714	9.0	T=	1.266	6.0
LAT= 24.0	U=	1.131	1.9	V=	2.416	5.4	W=	.003772	8.7	T=	.693	5.8
LAT= 30.0	U=	1.162	1.6	V=	2.645	5.4	W=	.002172	4.1	T=	.261	2.0
LAT= 36.0	U=	.812	.8	V=	1.767	5.4	W=	.007051	3.6	T=	.971	.8
LAT= 42.0	U=	.822	10.3	V=	.223	4.4	W=	.009996	3.6	T=	1.439	.8
LAT= 48.0	U=	1.853	9.3	V=	1.621	11.8	W=	.010450	3.6	T=	1.536	.8
LAT= 54.0	U=	2.949	9.0	V=	3.079	11.8	W=	.008942	3.8	T=	1.332	.9
LAT= 60.0	U=	3.674	9.0	V=	3.882	11.9	W=	.006522	3.9	T=	.982	1.1
LAT= 66.0	U=	3.808	9.0	V=	3.958	12.0	W=	.004100	4.1	T=	.621	1.3
LAT= 72.0	U=	3.323	9.1	V=	3.415	.1	W=	.001988	4.2	T=	.302	1.4
LAT= 78.0	U=	2.813	9.2	V=	2.425	.2	W=	.002260	4.1	T=	.350	1.3
LAT= 84.0	U=	1.268	9.2	V=	1.038	.2	W=	.000540	3.9	T=	.084	1.1

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 115.031 KM

LAT=	0.0	U=	.001 /	11.8	V=	2.380 /	9.6	W=	.000001 /	6.8	T=	0.000 / 3.5
LAT=	6.0	U=	.165 /	1.0	V=	1.922 /	9.6	W=	.004957 /	7.3	T=	.895 / 4.2
LAT=	12.0	U=	.392 /	.7	V=	.748 /	9.4	W=	.007817 /	7.3	T=	1.429 / 4.1
LAT=	18.0	U=	.685 /	.5	V=	.693 /	4.1	W=	.007463 /	7.2	T=	1.408 / 4.0
LAT=	24.0	U=	.952 /	.2	V=	1.767 /	3.9	W=	.004296 /	6.8	T=	.893 / 3.7
LAT=	30.0	U=	1.050 /	11.9	V=	2.112 /	3.8	W=	.002229 /	3.7	T=	.375 / 1.5
LAT=	36.0	U=	.905 /	11.3	V=	1.831 /	3.8	W=	.006019 /	2.3	T=	.891 / 11.4
LAT=	42.0	U=	.806 /	9.7	V=	.579 /	3.2	W=	.008798 /	2.2	T=	1.374 / 11.2
LAT=	48.0	U=	1.295 /	8.4	V=	.873 /	10.9	W=	.009461 /	2.2	T=	1.517 / 11.2
LAT=	54.0	U=	2.021 /	7.9	V=	1.988 /	10.6	W=	.008315 /	2.2	T=	1.355 / 11.3
LAT=	60.0	U=	2.573 /	7.7	V=	2.679 /	10.6	W=	.006252 /	2.3	T=	1.032 / 11.4
LAT=	66.0	U=	2.729 /	7.7	V=	2.835 /	10.7	W=	.004039 /	2.5	T=	.674 / 11.6
LAT=	72.0	U=	2.427 /	7.7	V=	2.567 /	10.7	W=	.002024 /	2.6	T=	.342 / 11.7
LAT=	78.0	U=	2.162 /	7.8	V=	1.807 /	10.8	W=	.002367 /	2.5	T=	.401 / 11.4
LAT=	84.0	U=	.955 /	7.8	V=	.750 /	11.0	W=	.000595 /	2.1	T=	.097 / 11.0

Z= 119.451 KM

LAT=	0.0	U=	.001 /	10.3	V=	2.093 /	8.2	W=	.000001 /	4.9	T=	0.000 / 1.8
LAT=	6.0	U=	.157 /	11.6	V=	1.742 /	8.2	W=	.004992 /	5.8	T=	.895 / 2.6
LAT=	12.0	U=	.347 /	11.3	V=	.831 /	8.1	W=	.008040 /	5.8	T=	1.456 / 2.5
LAT=	18.0	U=	.575 /	11.0	V=	.318 /	3.0	W=	.008072 /	5.7	T=	1.502 / 2.4
LAT=	24.0	U=	.792 /	10.8	V=	1.225 /	2.5	W=	.005436 /	5.2	T=	1.079 / 2.1
LAT=	30.0	U=	.908 /	10.5	V=	1.623 /	2.5	W=	.002935 /	3.3	T=	.564 / .7
LAT=	36.0	U=	.867 /	10.0	V=	1.428 /	2.4	W=	.005404 /	1.4	T=	.786 / 10.5
LAT=	42.0	U=	.769 /	9.0	V=	.726 /	2.0	W=	.008126 /	1.0	T=	1.224 / 9.9
LAT=	48.0	U=	.932 /	7.7	V=	.427 /	10.5	W=	.009044 /	.9	T=	1.396 / 9.8
LAT=	54.0	U=	1.358 /	6.9	V=	1.206 /	9.6	W=	.008203 /	1.0	T=	1.289 / 9.9
LAT=	60.0	U=	1.756 /	6.7	V=	1.761 /	9.5	W=	.006378 /	1.0	T=	1.017 / 10.0
LAT=	66.0	U=	1.915 /	6.6	V=	1.960 /	9.5	W=	.004245 /	1.2	T=	.688 / 10.1
LAT=	72.0	U=	1.748 /	6.6	V=	1.810 /	9.6	W=	.002206 /	1.3	T=	.363 / 10.2
LAT=	78.0	U=	1.643 /	6.6	V=	1.342 /	9.7	W=	.002481 /	1.0	T=	.401 / 9.8
LAT=	84.0	U=	.715 /	6.7	V=	.564 /	10.1	W=	.000645 /	.5	T=	.097 / 9.2

Z= 124.175 KM

LAT=	0.0	U=	.001 /	9.1	V=	1.831 /	7.1	W=	.000001 /	3.3	T=	0.000 / .7
LAT=	6.0	U=	.145 /	10.5	V=	1.516 /	7.1	W=	.005323 /	4.6	T=	.849 / 1.3
LAT=	12.0	U=	.308 /	10.2	V=	.824 /	7.0	W=	.008764 /	4.6	T=	1.411 / 1.3
LAT=	18.0	U=	.493 /	9.8	V=	.086 /	2.2	W=	.009234 /	4.4	T=	1.518 / 1.2
LAT=	24.0	U=	.676 /	9.5	V=	.853 /	1.3	W=	.006962 /	4.1	T=	1.200 / .9
LAT=	30.0	U=	.792 /	9.2	V=	1.252 /	1.3	W=	.004045 /	2.8	T=	.725 / 11.9
LAT=	36.0	U=	.791 /	8.8	V=	1.187 /	1.2	W=	.005030 /	.8	T=	.687 / 10.0
LAT=	42.0	U=	.703 /	8.1	V=	.743 /	1.0	W=	.007693 /	.1	T=	1.021 / 9.1
LAT=	48.0	U=	.715 /	7.0	V=	.301 /	10.8	W=	.008949 /	11.9	T=	1.212 / 8.8
LAT=	54.0	U=	.941 /	6.1	V=	.734 /	8.7	W=	.008453 /	11.9	T=	1.165 / 8.8
LAT=	60.0	U=	1.223 /	5.8	V=	1.194 /	8.5	W=	.006843 /	11.9	T=	.958 / 8.8
LAT=	66.0	U=	1.368 /	5.6	V=	1.400 /	8.5	W=	.004734 /	.1	T=	.674 / 8.9
LAT=	72.0	U=	1.279 /	5.6	V=	1.328 /	8.6	W=	.002540 /	.1	T=	.367 / 9.0
LAT=	78.0	U=	1.252 /	5.5	V=	1.021 /	8.8	W=	.002711 /	11.7	T=	.374 / 8.4
LAT=	84.0	U=	.543 /	5.7	V=	.457 /	9.3	W=	.000670 /	11.1	T=	.083 / 7.8

Z= 129.367 KM

LAT=	0.0	U=	.001 /	8.3	V=	1.604 /	6.0	W=	.000002 /	2.2	T=	0.000 / 11.9
LAT=	6.0	U=	.134 /	9.5	V=	1.352 /	6.0	W=	.005710 /	3.6	T=	.771 / .4
LAT=	12.0	U=	.275 /	9.2	V=	.793 /	6.1	W=	.009580 /	3.6	T=	1.305 / .3
LAT=	18.0	U=	.434 /	8.8	V=	.044 /	6.6	W=	.010489 /	3.5	T=	1.457 / .2
LAT=	24.0	U=	.597 /	8.4	V=	.619 /	.1	W=	.008523 /	3.2	T=	1.237 / 11.9
LAT=	30.0	U=	.710 /	8.1	V=	.998 /	.1	W=	.005300 /	2.3	T=	.823 / 11.3
LAT=	36.0	U=	.723 /	7.8	V=	1.011 /	.1	W=	.004805 /	.4	T=	.619 / 9.7
LAT=	42.0	U=	.645 /	7.3	V=	.715 /	11.9	W=	.007244 /	11.4	T=	.821 / 8.5
LAT=	48.0	U=	.589 /	6.4	V=	.326 /	10.7	W=	.008869 /	11.1	T=	1.012 / 8.0
LAT=	54.0	U=	.688 /	5.4	V=	.467 /	8.1	W=	.008786 /	11.0	T=	1.022 / 7.9
LAT=	60.0	U=	.880 /	4.9	V=	.818 /	7.7	W=	.007441 /	11.1	T=	.882 / 7.9
LAT=	66.0	U=	1.001 /	4.7	V=	1.009 /	7.6	W=	.005377 /	11.2	T=	.647 / 8.0
LAT=	72.0	U=	.950 /	4.6	V=	.992 /	7.7	W=	.002977 /	11.2	T=	.360 / 7.9
LAT=	78.0	U=	.950 /	4.5	V=	.793 /	7.9	W=	.003096 /	10.5	T=	.351 / 7.2
LAT=	84.0	U=	.416 /	4.7	V=	.393 /	8.5	W=	.000689 /	9.8	T=	.068 / 6.5

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 135. KM

LAT= 0.0	U=	.001 /	7.7	V=	1.422 /	5.1	W=	.000002 /	1.5	T=	0.000 /	11.4
LAT= 6.0	U=	.122 /	8.6	V=	1.235 /	5.1	W=	.005981 /	2.8	T=	.681 /	11.5
LAT= 12.0	U=	.249 /	8.2	V=	.740 /	5.2	W=	.010190 /	2.7	T=	1.173 /	11.5
LAT= 18.0	U=	.394 /	7.8	V=	.112 /	6.0	W=	.011485 /	2.6	T=	1.352 /	11.4
LAT= 24.0	U=	.547 /	7.4	V=	.484 /	10.9	W=	.009821 /	2.4	T=	1.210 /	11.2
LAT= 30.0	U=	.659 /	7.2	V=	.837 /	11.0	W=	.006471 /	1.8	T=	.865 /	10.7
LAT= 36.0	U=	.681 /	6.9	V=	.895 /	11.0	W=	.004719 /	.1	T=	.588 /	9.5
LAT= 42.0	U=	.612 /	6.4	V=	.693 /	10.8	W=	.006639 /	10.8	T=	.656 /	8.1
LAT= 48.0	U=	.532 /	5.7	V=	.379 /	10.1	W=	.008556 /	10.4	T=	.831 /	7.4
LAT= 54.0	U=	.554 /	4.7	V=	.331 /	7.8	W=	.008901 /	10.3	T=	.883 /	7.2
LAT= 60.0	U=	.676 /	4.1	V=	.579 /	6.9	W=	.007879 /	10.3	T=	.798 /	7.2
LAT= 66.0	U=	.765 /	3.8	V=	.748 /	6.8	W=	.005935 /	10.4	T=	.610 /	7.2
LAT= 72.0	U=	.724 /	3.7	V=	.763 /	6.8	W=	.003388 /	10.4	T=	.348 /	7.1
LAT= 78.0	U=	.728 /	3.5	V=	.633 /	6.9	W=	.003477 /	9.6	T=	.336 /	6.3
LAT= 84.0	U=	.327 /	3.8	V=	.349 /	7.6	W=	.000680 /	8.7	T=	.056 /	5.5

Z= 141.772 KM

LAT= 0.0	U=	.001 /	7.4	V=	1.278 /	4.2	W=	.000003 /	1.1	T=	0.000 /	11.0
LAT= 6.0	U=	.111 /	7.7	V=	1.118 /	4.2	W=	.006107 /	2.0	T=	.596 /	10.7
LAT= 12.0	U=	.229 /	7.4	V=	.691 /	4.3	W=	.010523 /	1.9	T=	1.042 /	10.7
LAT= 18.0	U=	.369 /	7.0	V=	.147 /	5.1	W=	.012117 /	1.9	T=	1.234 /	10.6
LAT= 24.0	U=	.516 /	6.6	V=	.400 /	9.8	W=	.010750 /	1.7	T=	1.151 /	10.5
LAT= 30.0	U=	.627 /	6.3	V=	.734 /	10.0	W=	.007434 /	1.2	T=	.869 /	10.1
LAT= 36.0	U=	.659 /	6.0	V=	.824 /	10.0	W=	.004793 /	11.9	T=	.575 /	9.2
LAT= 42.0	U=	.609 /	5.6	V=	.667 /	9.9	W=	.005898 /	10.4	T=	.533 /	7.7
LAT= 48.0	U=	.529 /	5.0	V=	.427 /	9.4	W=	.007924 /	9.8	T=	.673 /	6.9
LAT= 54.0	U=	.506 /	4.1	V=	.281 /	7.6	W=	.008622 /	9.7	T=	.750 /	6.6
LAT= 60.0	U=	.575 /	3.4	V=	.429 /	6.3	W=	.007934 /	9.7	T=	.710 /	6.5
LAT= 66.0	U=	.629 /	3.0	V=	.580 /	5.9	W=	.006187 /	9.8	T=	.563 /	6.5
LAT= 72.0	U=	.581 /	2.8	V=	.617 /	5.9	W=	.003630 /	9.7	T=	.328 /	6.3
LAT= 78.0	U=	.591 /	2.4	V=	.534 /	6.0	W=	.003649 /	8.9	T=	.316 /	5.4
LAT= 84.0	U=	.271 /	2.9	V=	.319 /	6.6	W=	.000629 /	7.9	T=	.047 /	4.7

Z= 149.425 KM

LAT= 0.0	U=	0.000 /	7.0	V=	1.156 /	3.3	W=	.000003 /	.8	T=	0.000 /	10.6
LAT= 6.0	U=	.101 /	6.9	V=	1.018 /	3.3	W=	.006152 /	1.2	T=	.524 /	9.9
LAT= 12.0	U=	.214 /	6.6	V=	.638 /	3.4	W=	.010684 /	1.2	T=	.926 /	9.9
LAT= 18.0	U=	.346 /	6.2	V=	.171 /	4.2	W=	.012501 /	1.1	T=	1.117 /	9.9
LAT= 24.0	U=	.484 /	5.9	V=	.331 /	8.8	W=	.011403 /	1.0	T=	1.075 /	9.8
LAT= 30.0	U=	.591 /	5.6	V=	.651 /	9.0	W=	.008224 /	.7	T=	.848 /	9.5
LAT= 36.0	U=	.635 /	5.3	V=	.764 /	9.1	W=	.005049 /	11.6	T=	.567 /	8.8
LAT= 42.0	U=	.608 /	4.9	V=	.677 /	9.0	W=	.005145 /	10.0	T=	.445 /	7.5
LAT= 48.0	U=	.544 /	4.4	V=	.464 /	8.6	W=	.007050 /	9.3	T=	.535 /	6.4
LAT= 54.0	U=	.498 /	3.6	V=	.280 /	7.4	W=	.007982 /	9.0	T=	.618 /	6.0
LAT= 60.0	U=	.518 /	2.8	V=	.331 /	5.8	W=	.007587 /	9.1	T=	.608 /	5.8
LAT= 66.0	U=	.539 /	2.4	V=	.464 /	5.2	W=	.006079 /	9.1	T=	.497 /	5.8
LAT= 72.0	U=	.482 /	2.0	V=	.518 /	5.1	W=	.003643 /	9.0	T=	.297 /	5.6
LAT= 78.0	U=	.502 /	1.5	V=	.470 /	5.1	W=	.003538 /	8.1	T=	.281 /	4.7
LAT= 84.0	U=	.237 /	2.0	V=	.299 /	5.6	W=	.000549 /	7.1	T=	.040 /	4.0

Z= 158.420 KM

LAT= 0.0	U=	0.000 /	6.5	V=	1.044 /	2.5	W=	.000004 /	.6	T=	0.000 /	10.3
LAT= 6.0	U=	.093 /	6.0	V=	.925 /	2.5	W=	.006176 /	.4	T=	.465 /	9.1
LAT= 12.0	U=	.196 /	5.8	V=	.605 /	2.6	W=	.010800 /	.4	T=	.827 /	9.1
LAT= 18.0	U=	.315 /	5.5	V=	.185 /	3.2	W=	.012804 /	.4	T=	1.012 /	9.1
LAT= 24.0	U=	.437 /	5.2	V=	.268 /	7.8	W=	.011960 /	.3	T=	.997 /	9.0
LAT= 30.0	U=	.536 /	5.0	V=	.569 /	8.2	W=	.008962 /	.1	T=	.813 /	8.8
LAT= 36.0	U=	.586 /	4.7	V=	.700 /	8.2	W=	.005496 /	11.3	T=	.556 /	8.4
LAT= 42.0	U=	.578 /	4.3	V=	.652 /	8.2	W=	.004526 /	9.7	T=	.385 /	7.2
LAT= 48.0	U=	.528 /	3.8	V=	.483 /	7.9	W=	.006104 /	8.7	T=	.412 /	6.0
LAT= 54.0	U=	.467 /	3.1	V=	.297 /	7.1	W=	.007186 /	8.4	T=	.485 /	5.4
LAT= 60.0	U=	.451 /	2.4	V=	.269 /	5.5	W=	.007047 /	8.3	T=	.493 /	5.2
LAT= 66.0	U=	.444 /	1.8	V=	.368 /	4.6	W=	.005777 /	8.4	T=	.415 /	5.1
LAT= 72.0	U=	.386 /	1.4	V=	.429 /	4.3	W=	.003505 /	8.2	T=	.252 /	4.8
LAT= 78.0	U=	.411 /	.7	V=	.408 /	4.3	W=	.003276 /	7.3	T=	.234 /	4.0
LAT= 84.0	U=	.205 /	1.2	V=	.280 /	4.8	W=	.000455 /	6.5	T=	.032 /	3.4

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 181.310 KM

LAT= 0.0	U= .001 / 5.7	V= .849 / .9	W= .000006 / 12.0	T= 0.000 / 9.8
LAT= 6.0	U= .080 / 4.2	V= .762 / .9	W= .006271 / 11.0	T= .372 / 7.6
LAT= 12.0	U= .163 / 4.1	V= .523 / 1.0	W= .011115 / 11.0	T= .668 / 7.6
LAT= 18.0	U= .252 / 4.0	V= .197 / 1.3	W= .013524 / 11.0	T= .834 / 7.7
LAT= 24.0	U= .342 / 3.8	V= .155 / 6.2	W= .013187 / 10.9	T= .848 / 7.7
LAT= 30.0	U= .416 / 3.6	V= .415 / 6.6	W= .010587 / 10.8	T= .730 / 7.6
LAT= 36.0	U= .457 / 3.4	V= .558 / 6.7	W= .006832 / 10.4	T= .530 / 7.4
LAT= 42.0	U= .462 / 3.2	V= .569 / 6.7	W= .004000 / 9.2	T= .330 / 6.8
LAT= 48.0	U= .427 / 2.8	V= .472 / 6.5	W= .004398 / 7.6	T= .229 / 5.5
LAT= 54.0	U= .359 / 2.3	V= .324 / 6.1	W= .005751 / 7.0	T= .248 / 4.3
LAT= 60.0	U= .306 / 1.5	V= .214 / 5.1	W= .006133 / 6.8	T= .276 / 3.8
LAT= 66.0	U= .271 / .7	V= .215 / 3.7	W= .005302 / 6.8	T= .249 / 3.6
LAT= 72.0	U= .221 / .1	V= .256 / 3.1	W= .003252 / 6.6	T= .155 / 3.3
LAT= 78.0	U= .233 / 11.2	V= .260 / 3.0	W= .003002 / 5.6	T= .138 / 2.2
LAT= 84.0	U= .131 / 11.9	V= .216 / 3.5	W= .000285 / 5.2	T= .019 / 2.4

Z= 209.865 KM

LAT= 0.0	U= .001 / 5.0	V= .723 / 11.5	W= .000006 / 11.4	T= 0.000 / 9.6
LAT= 6.0	U= .066 / 2.7	V= .658 / 11.5	W= .006590 / 9.6	T= .306 / 6.4
LAT= 12.0	U= .134 / 2.7	V= .475 / 11.5	W= .011772 / 9.7	T= .555 / 6.5
LAT= 18.0	U= .205 / 2.6	V= .220 / 11.7	W= .014539 / 9.7	T= .705 / 6.6
LAT= 24.0	U= .272 / 2.4	V= .054 / 4.7	W= .014526 / 9.7	T= .736 / 6.6
LAT= 30.0	U= .324 / 2.3	V= .277 / 5.4	W= .012073 / 9.7	T= .658 / 6.6
LAT= 36.0	U= .351 / 2.2	V= .420 / 5.5	W= .008150 / 9.6	T= .502 / 6.6
LAT= 42.0	U= .351 / 2.1	V= .463 / 5.4	W= .004192 / 8.9	T= .315 / 6.4
LAT= 48.0	U= .328 / 1.8	V= .416 / 5.4	W= .002932 / 6.8	T= .153 / 5.8
LAT= 54.0	U= .272 / 1.4	V= .312 / 5.1	W= .004499 / 5.6	T= .095 / 3.6
LAT= 60.0	U= .219 / .7	V= .199 / 4.5	W= .005371 / 5.4	T= .135 / 2.5
LAT= 66.0	U= .177 / 11.8	V= .140 / 3.3	W= .004955 / 5.3	T= .146 / 2.1
LAT= 72.0	U= .128 / 11.0	V= .142 / 2.3	W= .003142 / 5.0	T= .096 / 1.6
LAT= 78.0	U= .132 / 9.7	V= .147 / 1.9	W= .002991 / 4.0	T= .095 / .5
LAT= 84.0	U= .074 / 10.9	V= .137 / 2.6	W= .000274 / 3.7	T= .010 / 1.0

Z= 240.988 KM

LAT= 0.0	U= 0.000 / 4.6	V= .668 / 10.4	W= .000007 / 10.6	T= 0.000 / 9.6
LAT= 6.0	U= .052 / 1.4	V= .615 / 10.4	W= .007221 / 8.6	T= .275 / 5.7
LAT= 12.0	U= .106 / 1.4	V= .466 / 10.4	W= .012854 / 8.7	T= .499 / 5.7
LAT= 18.0	U= .164 / 1.3	V= .256 / 10.5	W= .015823 / 8.7	T= .640 / 5.9
LAT= 24.0	U= .218 / 1.3	V= .037 / 11.7	W= .015805 / 8.8	T= .678 / 6.0
LAT= 30.0	U= .259 / 1.2	V= .171 / 4.2	W= .013197 / 8.8	T= .617 / 6.1
LAT= 36.0	U= .277 / 1.2	V= .307 / 4.3	W= .008991 / 8.8	T= .483 / 6.2
LAT= 42.0	U= .275 / 1.1	V= .368 / 4.4	W= .004423 / 8.5	T= .313 / 6.2
LAT= 48.0	U= .258 / 1.0	V= .353 / 4.4	W= .001736 / 6.2	T= .150 / 6.2
LAT= 54.0	U= .217 / .7	V= .282 / 4.2	W= .003685 / 4.3	T= .017 / 4.9
LAT= 60.0	U= .173 / .1	V= .190 / 3.9	W= .004959 / 4.1	T= .070 / .9
LAT= 66.0	U= .125 / 11.2	V= .113 / 3.1	W= .004844 / 4.0	T= .102 / .7
LAT= 72.0	U= .076 / 10.4	V= .082 / 1.9	W= .003227 / 3.7	T= .078 / .2
LAT= 78.0	U= .073 / 8.4	V= .078 / 1.3	W= .003041 / 2.7	T= .082 / 11.3
LAT= 84.0	U= .039 / 10.2	V= .083 / 2.0	W= .000364 / 2.9	T= .010 / 11.4

Z= 272.801 KM

LAT= 0.0	U= 0.000 / 4.2	V= .664 / 9.5	W= .000008 / 10.0	T= 0.000 / 9.8
LAT= 6.0	U= .043 / .2	V= .616 / 9.5	W= .007972 / 8.0	T= .264 / 5.2
LAT= 12.0	U= .090 / .2	V= .481 / 9.6	W= .014082 / 8.0	T= .481 / 5.3
LAT= 18.0	U= .137 / .3	V= .289 / 9.8	W= .017164 / 8.1	T= .617 / 5.4
LAT= 24.0	U= .185 / .3	V= .091 / 10.7	W= .016997 / 8.2	T= .654 / 5.6
LAT= 30.0	U= .221 / .3	V= .120 / 2.8	W= .014102 / 8.2	T= .599 / 5.7
LAT= 36.0	U= .239 / .3	V= .247 / 3.3	W= .009545 / 8.3	T= .476 / 5.9
LAT= 42.0	U= .236 / .3	V= .312 / 3.5	W= .004534 / 8.2	T= .318 / 6.1
LAT= 48.0	U= .220 / .3	V= .315 / 3.5	W= .000965 / 5.4	T= .162 / 6.4
LAT= 54.0	U= .185 / .1	V= .264 / 3.5	W= .003704 / 3.2	T= .043 / 7.9
LAT= 60.0	U= .144 / 11.7	V= .184 / 3.3	W= .005274 / 3.1	T= .060 / 11.2
LAT= 66.0	U= .092 / 11.0	V= .105 / 3.0	W= .005256 / 3.0	T= .093 / 11.7
LAT= 72.0	U= .041 / 10.2	V= .052 / 2.2	W= .003576 / 2.8	T= .078 / 11.3
LAT= 78.0	U= .038 / 6.8	V= .035 / 1.2	W= .003287 / 1.8	T= .081 / 10.5
LAT= 84.0	U= .017 / 9.8	V= .050 / 1.7	W= .000424 / 2.4	T= .011 / 10.7

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, T_o = 600, 800, 1000, 1200, and 1400 K (contd)

T_o = 1400 K

Z= 304.762 KM

LAT= 0.0	U=	0.000 /	3.8	V=	.688 /	9.0	W=	.000009 /	9.6	T=	0.000 /	9.7
LAT= 6.0	U=	.042 /	11.3	V=	.639 /	9.0	W=	.008587 /	7.5	T=	.262 /	4.9
LAT= 12.0	U=	.085 /	11.3	V=	.504 /	9.1	W=	.015087 /	7.6	T=	.477 /	5.0
LAT= 18.0	U=	.131 /	11.4	V=	.316 /	9.4	W=	.018261 /	7.7	T=	.611 /	5.2
LAT= 24.0	U=	.175 /	11.5	V=	.127 /	10.3	W=	.017967 /	7.8	T=	.649 /	5.4
LAT= 30.0	U=	.212 /	11.6	V=	.118 /	1.6	W=	.014822 /	7.8	T=	.596 /	5.6
LAT= 36.0	U=	.229 /	11.6	V=	.233 /	2.5	W=	.009941 /	7.9	T=	.476 /	5.7
LAT= 42.0	U=	.225 /	11.7	V=	.298 /	2.8	W=	.004556 /	7.9	T=	.322 /	6.0
LAT= 48.0	U=	.206 /	11.8	V=	.305 /	2.9	W=	.000710 /	4.1	T=	.173 /	6.4
LAT= 54.0	U=	.171 /	11.8	V=	.260 /	2.9	W=	.004192 /	2.5	T=	.069 /	8.0
LAT= 60.0	U=	.130 /	11.5	V=	.185 /	2.9	W=	.005950 /	2.5	T=	.071 /	10.3
LAT= 66.0	U=	.072 /	11.0	V=	.104 /	2.9	W=	.005901 /	2.5	T=	.096 /	11.0
LAT= 72.0	U=	.021 /	11.0	V=	.043 /	2.8	W=	.003988 /	2.2	T=	.081 /	10.8
LAT= 78.0	U=	.035 /	4.6	V=	.013 /	2.5	W=	.003610 /	1.2	T=	.081 /	10.1
LAT= 84.0	U=	.004 /	11.2	V=	.032 /	1.6	W=	.000454 /	2.0	T=	.012 /	10.4

Z= 336.754 KM

LAT= 0.0	U=	0.000 /	3.6	V=	.718 /	8.6	W=	.000010 /	9.3	T=	0.000 /	9.7
LAT= 6.0	U=	.044 /	10.6	V=	.667 /	8.6	W=	.008936 /	7.3	T=	.265 /	4.8
LAT= 12.0	U=	.090 /	10.7	V=	.528 /	8.8	W=	.015662 /	7.3	T=	.482 /	4.9
LAT= 18.0	U=	.135 /	10.8	V=	.337 /	9.1	W=	.018899 /	7.4	T=	.616 /	5.1
LAT= 24.0	U=	.179 /	11.0	V=	.152 /	10.1	W=	.018535 /	7.5	T=	.652 /	5.3
LAT= 30.0	U=	.216 /	11.1	V=	.134 /	.9	W=	.015230 /	7.6	T=	.600 /	5.5
LAT= 36.0	U=	.235 /	11.2	V=	.240 /	1.9	W=	.010116 /	7.6	T=	.481 /	5.7
LAT= 42.0	U=	.228 /	11.3	V=	.306 /	2.3	W=	.004466 /	7.6	T=	.328 /	5.9
LAT= 48.0	U=	.205 /	11.5	V=	.312 /	2.5	W=	.000916 /	3.2	T=	.181 /	6.4
LAT= 54.0	U=	.167 /	11.5	V=	.268 /	2.6	W=	.004735 /	2.2	T=	.083 /	8.0
LAT= 60.0	U=	.123 /	11.4	V=	.190 /	2.6	W=	.006605 /	2.2	T=	.081 /	9.9
LAT= 66.0	U=	.062 /	11.1	V=	.106 /	2.8	W=	.006478 /	2.2	T=	.101 /	10.7
LAT= 72.0	U=	.019 /	.6	V=	.045 /	3.4	W=	.004305 /	1.9	T=	.085 /	10.6
LAT= 78.0	U=	.051 /	3.5	V=	.020 /	4.5	W=	.003860 /	.9	T=	.083 /	9.9
LAT= 84.0	U=	.009 /	2.1	V=	.022 /	1.7	W=	.000470 /	1.7	T=	.013 /	10.2

Z= 368.753 KM

LAT= 0.0	U=	0.000 /	3.4	V=	.744 /	8.4	W=	.000011 /	9.1	T=	0.000 /	9.7
LAT= 6.0	U=	.048 /	10.3	V=	.692 /	8.4	W=	.008994 /	7.1	T=	.269 /	4.7
LAT= 12.0	U=	.096 /	10.4	V=	.549 /	8.6	W=	.015752 /	7.1	T=	.488 /	4.8
LAT= 18.0	U=	.144 /	10.5	V=	.354 /	8.9	W=	.018983 /	7.2	T=	.623 /	5.0
LAT= 24.0	U=	.189 /	10.7	V=	.169 /	10.0	W=	.018583 /	7.3	T=	.661 /	5.2
LAT= 30.0	U=	.226 /	10.8	V=	.150 /	.6	W=	.015210 /	7.4	T=	.608 /	5.4
LAT= 36.0	U=	.246 /	11.0	V=	.254 /	1.6	W=	.009993 /	7.4	T=	.488 /	5.6
LAT= 42.0	U=	.237 /	11.1	V=	.319 /	2.0	W=	.004247 /	7.3	T=	.334 /	5.9
LAT= 48.0	U=	.210 /	11.3	V=	.326 /	2.2	W=	.001326 /	3.0	T=	.187 /	6.5
LAT= 54.0	U=	.168 /	11.4	V=	.279 /	2.4	W=	.005184 /	2.1	T=	.092 /	8.0
LAT= 60.0	U=	.122 /	11.4	V=	.197 /	2.5	W=	.007078 /	2.1	T=	.089 /	9.8
LAT= 66.0	U=	.058 /	11.3	V=	.109 /	2.8	W=	.006862 /	2.0	T=	.105 /	10.6
LAT= 72.0	U=	.025 /	1.3	V=	.050 /	3.6	W=	.004476 /	1.8	T=	.089 /	10.4
LAT= 78.0	U=	.064 /	3.1	V=	.029 /	4.8	W=	.003984 /	.7	T=	.085 /	9.8
LAT= 84.0	U=	.014 /	2.3	V=	.018 /	1.8	W=	.000470 /	1.5	T=	.013 /	10.1

Z= 400.753 KM

LAT= 0.0	U=	0.000 /	3.3	V=	.765 /	8.3	W=	.000012 /	8.9	T=	0.000 /	9.7
LAT= 6.0	U=	.051 /	10.1	V=	.712 /	8.3	W=	.008788 /	7.0	T=	.274 /	4.7
LAT= 12.0	U=	.102 /	10.2	V=	.567 /	8.5	W=	.015381 /	7.0	T=	.497 /	4.8
LAT= 18.0	U=	.152 /	10.3	V=	.368 /	8.9	W=	.018509 /	7.1	T=	.635 /	5.0
LAT= 24.0	U=	.198 /	10.5	V=	.181 /	9.9	W=	.018078 /	7.2	T=	.673 /	5.2
LAT= 30.0	U=	.237 /	10.7	V=	.162 /	.4	W=	.014729 /	7.2	T=	.619 /	5.4
LAT= 36.0	U=	.256 /	10.8	V=	.266 /	1.5	W=	.009561 /	7.2	T=	.497 /	5.6
LAT= 42.0	U=	.246 /	11.0	V=	.332 /	1.9	W=	.003934 /	7.0	T=	.341 /	5.9
LAT= 48.0	U=	.217 /	11.2	V=	.338 /	2.1	W=	.001846 /	3.0	T=	.192 /	6.5
LAT= 54.0	U=	.173 /	11.4	V=	.289 /	2.2	W=	.005518 /	2.1	T=	.097 /	8.0
LAT= 60.0	U=	.124 /	11.4	V=	.204 /	2.4	W=	.007342 /	2.0	T=	.092 /	9.7
LAT= 66.0	U=	.058 /	11.4	V=	.112 /	2.8	W=	.007025 /	2.0	T=	.109 /	10.5
LAT= 72.0	U=	.031 /	1.5	V=	.053 /	3.8	W=	.004508 /	1.7	T=	.091 /	10.4
LAT= 78.0	U=	.074 /	2.9	V=	.035 /	4.9	W=	.003983 /	.6	T=	.086 /	9.7
LAT= 84.0	U=	.018 /	2.3	V=	.017 /	1.9	W=	.000455 /	1.4	T=	.014 /	10.1

END

DATE
FILMED

4-83

DTIC