

# CEDAR Posters

<u>#</u>	<u>AUTHOR(S)</u>	<u>TITLE</u>	<u>STUDENT</u> (1st Author)
A-1	S. Allen, R.A. Vincent	Gravity Waves in the Lower Atmosphere: Seasonal and Latitudinal Variations	Yes
A-2	S.M. Bailey, S.C. Solomon, T.N. Woods	Thermospheric Airglow Response to the Solar Ultraviolet Irradiance	Yes
A-3	M. K. Bierer, C. S. Deehr	Dayside Auroral Morphology and Particle Energy Boundaries As Seen From the Ground and Space	Yes
A-4	L. M. Caldwell, D. A. Krueger, C. Y. She	Depolarization Effects in High Spectral Resolution Rayleigh Mie Lidar	Yes
A-5	J. L. Chang, S. K. Avery	Preliminary Tropospheric Results from the CADRE Campaign in the Western Pacific	Yes
A-6	J. Y. Chang, M. F. Larsen, R. D. Palmer, S. Fukao, M. Yamamoto, T. Nakamura, T. Tsuda	Comparison of Spaced Antenna Drift and Doppler Beam Swinging Wind Measurements	Yes
A-7	Y. L. Chang, M. F. Larsen, R. D. Palmer, M. Yamamoto, S. Fukao, T. Tsuda, S. Kato	Imaging Doppler Interferometry Using MU Radar	Yes
A-8	H. Chen, C. Y. She	Dispersive Faraday Filter for Na Temperature Lidar Daytime Operations	Yes
A-9	Y-H. Chen, Y-H. Chu, J -K. Chao, C -H. Liu	The Observations of Sporadic E Irregularities in Equatorial Anomaly Crest Zone By Using Chung- Li VHF Radar	No
A-10	G. Chiu, H. Rassoul	Thermosphere-Ionosphere Coupling: Relation Between Neutral Wind Speed and Peak Height of F2 Layer	Yes

A-11	M. M. Coakley, F. L. Roesler	Application of CCD Fabry-Perot Ring Imaging to Daysky Emission Line Measurements	Yes
A-12	R. Collins	Lidar Observations of Mesopause Region Dynamics	Yes
A-13	R. A. Copeland, B. R. Chalamala	Laboratory Study of OH ( $X^2\Pi$ , $v=9$ ) Collisional Energy Transfer	No
A-14	C. S. Deehr	A Status Report on the Improvement and Modernization Program at Poker Flat Research Range	No
A-15	W. Deng, T. L. Killeen, A. G. Burns, R. M. Johnson, B. A. Emery, R. G. Roble J. D. Winningham, J. B. Gary, J. A. Slavin	A One-Dimensional Hybrid Satellite Track Model for the Dynamics Explorer-2 (DE-2) Satellite	Yes
A-16	D. P. Drob, T. L. Killeen, R.J. Niciejewski, R.M. Johnson	Observation of Tidal Oscillations in the High Latitude Winter Mesopause	Yes
A-17	P. Franke	Non-Linear Simulation of Atmospheric Gravity Waves	Yes
A-18	T. W. Garner, P. G. Richards, R. H. Comfort	Anomalous Nighttime Electron Temperature Events Over Millstone Hill	Yes
A-19	A. J. Gonzalez, H. M. Ierkic	Observations of the Middle Atmosphere at Arecibo	Yes
A-20	J. Gu, J. M. Forbes	Tide and Gravity Wave Interaction in the Equatorial Mesosphere and Low Thermosphere	Yes
A-21	G. E. Hall, C. E. Meek, A. H. Manson	Hodograph Analysis of Long Period Mesospheric Gravity Waves	No
A-22	D. B. Hatfield, A. L. Broadfoot, W. R. Sandel	Observations of Nitrogen Band Systems From an Orbital Platform	Yes
A-23	X. He, R. B. Kerr	Hydrogen Density in the Earth's Upper Atmosphere Based on Simultaneous Optical and Radar Measurements	Yes

A-24	J. Huang	Analysis of Small Scale Gravity Wave Activity in Hydroxyl Airglow	Yes
A-25	K. P. Hunter, J. Yu, J. D. Mathews, T. J. Kane	Some Properties of the 5-6 April 1989 Wave Event Observed During AIDA	Yes
A-26	T. Irgang, M. McGill, W. Skinner, J. Barnes, V. Abreu, K. Fischer	Wind and Aerosol Measurements with the University of Michigan High Resolution Doppler LIDAR	Yes
A-27	R. A. Jacobson, M. F. Larsen	A Mesospheric Quasi-Periodic Oscillation Induced by Short Period Gravity Wave Interaction With the Mean Flow	Yes
A-28	J. E. Johnston, J. H. Yee, G. J. Romick, G. G. Sivjee	Variations in the Intensity Ratios of Different OH Meinel Emissions in the Night Airglow	No
A-29	H. S. Kim	Comparisons of Horizontal Wind Velocities Observed by Urbana and Flatland ST Radars	Yes
A-30	M. W. Kirkland	Semi-Annual Variations in the Polar, Dawn-Dusk Electric Potential and the Area-Averaged Ionospheric Electric Potential at Magnetic Sector Boundary Crossings	Yes
A-31	K. Knutsen, M. J. Dyer, R. A. Copeland	Laboratory Studies of $O_2(A^3\Sigma_u) v = 7,9$ : Collisional Energy Transfer With $O_2, N_2, CO_2, Ar$ , and He	No
A-32	D. G. Kupperman, L. J. Paxton, C.-I. Meng, G. H. Fountain, B. S. Ogorzalek, R. J. Cox, D. J. Strickland, J. S. Evans	Special Sensor Ultraviolet Spectrographic Imager (SSUSI)	No
A-33	R. S. Lancaster, R. B. Kerr, C. A. Tepley, J. H. Hecht, M. Franco	Recent Observations of the $O(I) 8446$ Angstrom Triplet Emission Over Millstone Hill	Yes
A-34	S. Maeda	A Numerical Analysis of the Thermospheric Disturbances in Response to Geomagnetic Activity	No

A-35	T. R. Marshall, M. F. Larsen	Visible Evidence for Turbulence Transition Across Mesosphere and Lower Thermosphere Heights	Yes
A-36	B. Mathason, M. O'Brien, C.R. Philbrick	A Volume Scanning, Integrated Lidar/Radar System Used For Atmospheric Aerosol Mapping	Yes
B-1	C. E. Meek, A. H. Manson, G. E. Hall	2D Wave Measurements With CNSR 500 km MF Radar Array	No
B-2	C. E. Meek, A. H. Manson, G. E. Hall	Search for Mesoscale Waves in CNSR 500 km MF Radar Array Data	No
B-3	Q.-L. Min, M. H. Rees	A Self-Consistent Time Varying Auroral Model: Ionospheric Conductivity	Yes
B-4	M. McGill, W. R. Skinner	Theory of a Multiple-Pulse Lidar	Yes
B-5	S. P. Namboothiri, A. H. Manson, C. E. Meek, G. E. Hall	Tidal Variability Observed by the 3 Site CNSR MF Radar Network	Yes
B-6	A. Nicholas	Spatial Temporal Variations of FUV Dayglow With Geomagnetic Activity	Yes
B-7	S. Nossal, F. L. Roesler, M. M. Coakley, R. J. Reynolds, J. Harlander	Exospheric Hydrogen Balmer-Alpha Line Profile Measurements	Yes
B-8	G. B. Osterman, R. A., Heelis, G. J. Bailey	Modeling F-Region Intermediate Layer Formation at Mid-Latitudes	Yes
B-9	S. E. Palo, S. K. Avery	Observations of the Quasi 2-Day Wave in the Mesosphere and Lower Thermosphere at Christmas Island	Yes
B-10	S. E. Parker G. Adams, J. Brosnahan	Mesospheric Radiowave Scatterers at 3.175 MHz During AIDA Act '89	Yes
B-11	V. Pasko, U. Inan	Recovery Signatures of Lightning-Associated VLF Perturbations as a Measure of the Lower Ionosphere	Yes

B-12	W. D. Pesnell, W.R. Hoegy, K. Omidvar	The Collision Frequency of 0-0	No
B-37	W. P. Pfenninger, D. M. Simonich, G. C. Papen, and C. S. Gardner	Sensitivity Analysis of a Sodium Doppler Wind Lidar	Yes
B-13	S. Quigley, C. R. Clauer, M. Weller, S. Egbert, C. T. Russell, R. L. McPherron, J. Trombka	Dec. 92 Antarctic Balloon-Based Magnetometer Project	Yes
B-14	P. Riley, R. A. Wolf	Some Aspects of Modelling Low-Latitude Ionospheric Electrodynamics	Yes
B-15	G. Rivera	Observations of Stratospheric Aerosols From Ground Fires in Texas: The Waco Effect	No
B-16	J. L. Scali, B. W. Reinisch	Comparisons of Ionospheric Characteristics at Conjugate Point Stations	No
B-17	J. Schoendorf, G. Crowley, R. Roble, F. Marcos	Neutral Density Cells in the Lower Thermosphere at High Latitudes: Morphology and Data For Solar Maximum	Yes
B-18	D. P. Steele, L. B. Murdock, D. van der Schee	Simultaneous Multispectral Auroral Imaging With the CNSR/U of Calgary Polar Camera	No
B-19	R. Stockwell	Time Frequency Localization Applied to Hydroxyl Layer Measurements	Yes
B-20	T. C. Stone, E. R. Anderson, D. B. Hatfield, D. Schulze	<i>Shuttle-Based and Ground-Based Airglow Observations and Airglow Modeling and Model Inputs (title not confirmed yet)</i>	Yes
B-21	C. Tang, K. Aydin	Microwave Scattering from Ice Crystals	Yes
B-22	Y. Taranenko, U. S. Inan, T. F. Bell	Interaction With the Lower Ionosphere Electromagnetic Pulses From Lightning	Yes
B-23	M. J. Taylor, M. Bishop	Low Latitude Gravity Wave Studies Using Nightglow Image Data	No

B-24	T. Thayaparan, W. K. Hocking, J. W. MacDougall	Middle Atmospheric Tides and Gravity Waves Over London, Canada (43N, 81W)	Yes
B-25	D. Thorsen	Radar Observations of Mesospheric Mean Winds and Gravity Waves at Urbana	Yes
B-26	T. M. Walsh, M. J. Machulsky	Dual-linear Polarization Radar Measurements and Modeling of Electromagnetic Scattering at S-Band	Yes
B-27	A. T. Weatherwax, J. LaBelle, M. L. Trimpi, R. Brittain	Ground-Based Observations of Auroral Radio Emissions	Yes
B-28	K. West, R. A. Heelis, W. R. Coley	Observations of the Cusp Using the Dynamics Explorer 2 Satellite	Yes
B-29	T. D. Wilkerson, H. Moosmüller	A New LIDAR Method Utilizing Elastic and Raman Scattering for the Measurement of Molecular and Particulate Backscattering and Extinction Profiles	No
E-30	B. Williams, S. Tomczyk	An Instrument to Measure the Doppler Shift of the Sodium Airglow Emission	Yes
B-31	J. O. Wise, D. R. Smith, R. D. Sharma, R. M. Nadile, S. Adler-Goldem, R. L. Carovillano	Variability of 5.3 Micron NO Observed by the CIRRIS 1A Experiment During a Geomagnetic Storm	No
B-32	J. Wu, J. Wang, P. B. Hays, H. Grassl	Circle-to-Line Fabry-Perot Interferometer (CLIO- FPI)	Yes
B-33	H. F. Yang B. W. Reinisch,, J. L. Scali	Equatorial Spread-F Studies With a Digital Ionosonde	Yes
B-34	J. R. Yu, H. Chen, C.Y. She	Observed Thermal Structure of the Mesopause Region Over Fort Collins, CO	Yes
B-35	Q. Zhan, A.H. Manson	The Gap Impact on the Slope of Wind Spectrum-- Numerical Test	Yes
B-36	L. Zhong, L. Sonmor, A. H. Manson, C. E. Meek, G. E. Hall	Tidal Effects on Gravity Wave Propagation	No