

Program

Time	Paper	Authors
<i>Wednesday Afternoon, August 31</i>		
Aeronomy		
1:30	Whistler Mode Bursts in the Venus Ionosphere due to Lightning: Statistical Properties Using Venus Express Magnetometer Observations	J.T.M. DANIELS, C.T. RUSSELL, R.J. STRANGEWAY, H.Y.WEI, AND T.L. ZHANG
1:50	Modelled O ₂ airglow distributions in the Venusian atmosphere	MARIE-ÈVE GAGNÉ, STELLA M. L. MELO, AMANDA S. BRECHT, STEPHEN W. BOUGHER, AND KIMBERLY STRONG
2:10	Space Weather Influence on O ⁺ Escape at Venus	TESS MCENULTY AND JANET LUHMANN
2:30	Coffee Break	
Geology and Geophysics		
2:40	Fabric Development in Ductile Shear Zones as the Key for Plate Tectonics	LAURENT G. MONTESI
3:00	Corona Formation via Extension and Lithospheric Instability	DANIELLE PISKORZ, SUZANNE SMREKAR, AND LINDA T. ELKINS-TANTON
3:20	Active Plumes on Venus and Constraints on Mantle Viscosity and Volatile History	SUZANNE SMREKAR AND CHRISTOPHE SOTIN
3:40	Beyond Magellan: Why Better SAR Imaging of Venus Is Needed	VIRGIL L. SHARPTON
4:00	Revisiting Automated Stereo Radargrammetry of Venus	KARL L. MITCHELL, DANIEL NUNES, SCOTT HENSLEY, SCOTT SHAFFER, AND BOB DEEN
4:20	Searching for Current Geologic Activity on Venus	PETER MOUGINIS-MARK
4:40	Underground Explosions with Carbon: Lava Sources of Venus	YASUNORI MIURA
<i>Thursday Morning, September 1</i>		
Mission, Instruments, and Technology		
10:00	Stereo-Derived Topography Brings Venusian Tectonic Terrains into Focus	ROBERT R. HERRICK, DANIEL L. STAHLKE, MARTHA S. GILMORE, PATRICK J. MCGOVERN, GERALD A. GALGANA, PHILLIP G. RESOR, KATELYN R. VERNER, AND VIRGIL L. SHARPTON
10:20	Concept Study for a Venus Lander Mission to Analyze Atmospheric and Surface Composition	NICHOLAS C. SCHMERR, MARIA E. BANKS, SUSAN D. BENECCHI, BEN K. BRADLEY, CHARLES J. BUDNEY, GEORGE B. CLARK, BENJAMIN A. CORBIN, PETER B. JAMES, KARTIK KUMAR, ROBERT C. O'BRIEN, EDGARD G. RIVERA-VALENTIN, ALEXANDER SALTMAN, CARL R. SEUBERT, JOSE V. SILES, ANGELA M. STICKLE, AMANDA M. STOCKTON, CHRISTIANNA TAYLOR, AND MICHAEL ZANETTI
10:40	200 Days on Venus : Meteorological and Seismological Expectations for a Long-Lived Lander	RALPH D. LORENZ
11:00	A Surface Enhanced Raman Scattering (SERS) Payload for Life Detection On-Board a Venusian Balloon Platform	CLARA JUANES- VALLEJO

Time	Paper	Authors
11:20	Coherent Doppler Lidar for Wind Measurements on Venus	UPENDRA N. SINGH, GEORGE D. EMMITT, SANJAY LIMAYE, JOEL S. LEVINE, JIRONG YU, AND MICHAEL J. KAVAYA
11:40	Technologies Enabling Venus In-Situ Exploration	KRIS ZACNY AND JACK CRAFT
Thursday Afternoon, September 1		
Atmospheres		
1:00	Update on Ground-Based Doppler-Wind and Temperature Measurements by Infrared Heterodyne Spectroscopy	M. SORNIG, G. SONNABEND, D. STUPAR, AND T. STANGIER
1:20	Conditions of Circulation in the Venus Upper Atmosphere: An Observational Description	R. TODD CLANCY AND BRAD SANDOR
1:40	Venus 70-100 km Photochemistry: HCl, H ₂ SO ₄ , SO ₂ , SO Submm Observations	B. SANDOR AND R.T. CLANCY
2:00	Deep Atmospheric Spectroscopy on Venus	CONSTANTINE C.C. TSANG
2:20	Unknown UV Absorber and Unknown UV Scatter: New Properties from Analysis of Venus Monitoring Camera Images	KARAN MOLAVERDIKHANI, KEVIN MCGOULDRIK, AND LARRY W. ESPOSITO
2:40	Venus Monitoring Camera Observations of the Atmosphere	SANJAY S. LIMAYE, R.J. KRAUSS, W.J. MARKIEWICZ, AND D.V. TITOV
3:00	Small-Scale Temperature Fluctuations in the Venus Atmosphere as Seen by the VeRa Experiment on Venus Express	S. TELLMANN, B. HÄUSLER, M. PÄTZOLD, M.K. BIRD, AND G.L. TYLER
3:20	VLA Observations of Venus at X-Band	PAUL G. STEFFES AND KIRUTHIKA DEVARAJ
3:40	Modeling the Microphysics of the Venus Clouds	KEVIN MCGOULDRIK
4:00	Venus Science from Earth-Based Observations: Present and Future	THOMAS WIDEMANN ¹ , JAY PASACHOFF, GLENN SCHNEIDER, COLIN WILSON, SANJAY LIMAYE, YUKIHIRO TAKAHASHI, PAOLO TANGA, ELIOT YOUNG, MARK BULLOCK, AND BRUNO SICARDY
4:20	Making the Most of Venus Near-IR Images with a Team of Citizen-Scientists	MARK A. BULLOCK, K. MCGOULDRIK, AND DAVID H. GRINSPOON
4:40	The 2012 Transit of Venus Observed as an Exoplanet	G. GRONOFF, A. VIDAL-MADJAR, L. ARNOLD, M. BARTHELEMY, F. BOUCHY, I. BOISSE, R. CABANAC, J-M DESERT, D. EHRENREICH, R. D. FERLET, G. HEBRARD, J. LILENSTEN, A. LECAVELIER DES ETANGS, C. MOUTOU, J.C. MCCONNELL, C. NITSCHHELM, AND D. K. SING

Print and Posters

Date/Time	Paper or Poster	Authors
Print Only		
8/11/2011 11:31	The External and Internal Structures of Pancake Diapirs on Venus	<i>PEDRAM AFTABI</i>
8/11/2011 11:35	Modeling of Pancake Shape Diapirs on Venus	<i>PEDRAM AFTABI</i>
8/11/2011 15:13	The Fractures and Joints on the Pancake Diapir of Venus	<i>PEDRAM AFTABI</i>
8/12/2011 4:51	The Evolution of Twin Pancake Diapirs with Cut-Off Stems	<i>PEDRAM AFTABI</i>
8/10/2011 11:01	Few Global Carbon-Bearing Cycles: Hot Air and Rocks on Venus	<i>YASUNORI MIURA</i>
8/12/2011 11:53	Underground Explosions with Carbon: Lava Sources of Venus	<i>YASUNORI MIURA</i>
Posters		
	Observations of CO ₂ Absorption Features on Venus using Heterodyne Technique in the Mid-Infrared	<i>T. STANGIER, M. SORNIG, G. SONNABEND, AND D. STUPAR</i>
	Measuring Winds on Venus	<i>RACHEL CRAVEN, CECILIA FORD, MAKAYLA KIERSTEN, STEPHANIE KRUEGER, AND ALAYNA TRUTTMANN</i>
	Venus Express Education & Public Outreach: A Summer High School Research Experience	<i>ROSALYN A. PERTZBORN, SANJAY S. LIMAYE, AND HSUAN-YUN PI</i>