
Clouds Wind Water Curry Manfred

evolution of a storm-driven cloudy boundary layer in the ... - evolution of a storm-driven cloudy boundary layer in the arctic ... sometimes can be coupled with stratus clouds (e.g., curry et al., ... wind components, water va- **wind and buoyancy-forced upper ocean - judith curry** - uniform water to thicken. wind forcing can also set up oceanic currents and cause changes in the mixed ... from the ocean surface can resect against clouds **dynamical and microphysical characteristics of arctic ...** - liquid water in arctic clouds was also common during winter (curry et al. 1996). arctic clouds are usually believed to be stable and ... cluding wind direction, ... **encyclopedia of atmospheric sciences, academic press ...** - like natural cirrus clouds. ... the amount of wind shear, ... supercooled liquid water clouds. when a plane flies **dominant role by vertical wind shear in regulating aerosol ...** - dominant role by vertical wind shear in regulating aerosol effects on deep convective clouds jiwen fan,1 tianle yuan,2,3 jennifer m. comstock,1 steven ghan,1 ... **simulation of late summer arctic clouds during ascos with ...** - simulation of late summer arctic clouds during ... persistent low clouds (curry et al ... the formation of optically thin liquid clouds with su-percooled water ... **clouds, radiation, and the diurnal cycle of sea surface ...** - clouds, radiation, and the diurnal cycle of sea surface temperature in the tropical western pacific ... model to investigate the roles of surface wind speed, **autumnal mixed-phase cloudy boundary layers in the arctic** - an important large-scale factor in the development of low clouds appears to have been water vapor ... mixed-phase clouds in spring (curry et al ... wind, and surface ... **comparison of arctic clouds between european center for ...** - for bl mixed-phase clouds, the model predicted water-ice mass partition was ... barry et al., 1993; curry et al., 1996; walsh et al., 2002; hassol, 2004] while also **cloud microphysical properties by using airborne dual ...** - retrieve optically thick ice cloud microphysical properties by using airborne dual- wavelength radar measurements ... and along-track wind (u) ... **the temperature dependence of the liquid water path of low ...** - tions of the north atlantic by curry et al. (1990) ... liquid water tend to make low clouds less opaque with ... typical lower-troposphere wind speed at the sgp of **cloud influence on and response to seasonal arctic sea ice ...** - wind patterns control the transport of heat ... [curry et al., ... another example are clouds forming over open water in the early fall when the atmo- **retrieval and characterization of cloud liquid water path** - lwp frequency distribution shows that clouds with larger lwps occur more often in the ... liquid water, we first conduct ... and the surface wind speed is 5 m s⁻¹. **the observed relationship of cloud to surface longwave ...** - surface and multi-layered clouds; curry et al., 1996; ... were located about 300 m away from the ocean water and ... wind speed and direction at the ground level were ... **dynamical and microphysical characteristics of arctic ...** - clouds using integrated observations collected over ... (curry et al, 1996; 2000; randall et al, ... servations of wind, temperature, ... **does a relationship between arctic low clouds and sea ice ...** - does a relationship between arctic low clouds ... which sea ice retreat occurs depends upon a number of factors such as atmospheric wind ... and water vapor ... **effects of midwinter arctic leads on clouds and the ...** - clouds simulated clouds •extreme air-water temperature difference ... pinto and curry, 1995; zulauf and krueger ... •wind direction is approximately perpendicular ... **the atmospheric role in the arctic water cycle: a review ...** - the atmospheric role in the arctic water cycle: a review on processes, ... wind forcing on the arctic ocean increases with ... [curry et al., 1996; shupe et al., ... **vertical motions in arctic mixed-phase stratiform clouds** - vertical motions in arctic mixed-phase stratiform clouds ... liquid in these clouds (curry 1986; ... and wind speed were made by periodic radiosonde as- **surface characteristics and atmospheric footprint of ...** - surface characteristics and atmospheric footprint of springtime arctic leads at ... by open water and ... a function of fetch and wind speed. alam and curry ... **arctic cloud properties and radiative forcing from ...** - with the changes in the wind advection, ... (ebert and curry 1993; ... night the greenhouse e ect of water vapor and clouds is the major source of energy at **observed and simulated microphysical composition of arctic ...** - observed and simulated microphysical composition of arctic clouds: data properties and model validation a. sandvik,1 m. biryulina,2 n. g. kvamstø,1,3 j. j. stamnes,4 ... **the ice in clouds experiment - tropical field campaign ...** - the ice in clouds experiment - tropical field campaign- (ice-t ... and vertical wind ... tropical maritime cumulus clouds are an important part of the global water ... **traditional knowledge, weather prediction and ...** - traditional knowledge, ... and location, timing and patterns of clouds, lightning, wind, ... the frogs croak in a water body in the afternoon until **statistical comparison of properties of simulated and ...** - observed cumulus clouds in the vicinity of houston ... includes cloud liquid water content ... 15% in the trade wind regime to 20% over land [warren et **testing mixed-phase cloud water vapor parameterizations ...** - 15 august 2004 fu and hollars 2083 q 2004 american meteorological society testing mixed-phase cloud water vapor parameterizations with sheba/fire-ace observations **implications of shortwave cloud forcing and feedbacks in ...** - implications of shortwave cloud forcing and feedbacks in the ... conditions over open water, such as arctic polynyas ... records of wind waves, ... **contribution of mixed-phase boundary layer clouds to the ...** - to the termination of ozone depletion events in ... for arctic boundary layer clouds. the simulated wind ... the simulated spatial distributions of condensed water **ams 14th conference on satellite meteorology and ...** - [liu and curry 1998, 1999; ... atmospheric column water vapor (wv), near-surface wind speed ... was expected because thin water clouds

should not a **simple model for cloud radiative transfer of west ...** - 5 99 references 100 101 [1] curry j a, webster p j. *thermodynamics of atmospheres and oceans*[m]. academic press, 1998. 102 103 [2] stephens g l. radiation ... **kansas geological survey open- le report 2010-11 lawrence ...** - the present physiography was and is developed by wind and water, ... curry's famous ... the stark nature of the plains with big billowy white clouds. the wind- **the contribution of cloud and radiation anomalies to the ...** - maslanik et al., 2007], wind-induced changes in sea ice ... clouds and constraining radiative flux calculations. ... are assumed to have an ice water path **boundary-layer observations over water and arctic sea-ice ...** - vations show that these sublayers can be connected with stratus clouds (e.g., curry et al., 1988) and ... wind direction dd and water temperature tw; **arctic mixed-phase cloud properties derived from surface ...** - arctic mixed-phase cloud properties derived from surface-based ... liquid clouds because the liquid water layers ... clouds (hobbs and rangno 1990, 1998; curry ... **mars and venus: terrestrial analogues for exoplanets** - mars and venus: terrestrial analogues for exoplanets ... wind sputtering ... clouds, which would cool the **cloud resolving simulations of arctic stratus part ii ...** - cloud resolving simulations of arctic stratus part ... precipitation as compared to pure water clouds used here integrates equations for the wind components .u ... **determination of 3-d cloud ice water contents by combining ...** - together with wind fields from other ... (liu and curry 1998; 2000 ... modeled the radiative properties of cirrus clouds, especially at submillimeter ... **chapter 12 mineral dust and its microphysical interactions ...** - 12 mineral dust and its microphysical interactions with clouds 291 present as it is determined by a delicate balance between water vapor availability **retrieval of total precipitable water and cloud liquid ...** - retrieval of total precipitable water and cloud ... related to distribution of water vapor. clouds are important in ... and are functions of ocean surface wind, **clouds and snowmelt on the north slope of alaska** - calculate the atmospheric water vapor content. conditions, clouds reduce the surface net solar radiation ... wind, humidity, and ... e. e., and j. a. curry. **parameterization of effective ice particle size for high ...** - ge in terms of ice water ... used to describe the ssp of ice clouds are the ice water ... probe in high-speed wind-tunnel experiments suggest that ... **impacts of aerosols and clouds on photolysis frequencies ...** - erties of water clouds were ... 1987]. we adopted the method of ebert and curry [1992] to estimate ... sulfate, sea salt, wind blown dust, and primary ... **the oceans and weather - a.p. environmental science ...** - the oceans and weather ... its water vapor condenses into clouds and rain. in the process the air releases large ... along with moisture and wind **evaluation of a gcm cirrus parameterization using ...** - prescribed occurrence of cirrus clouds from satellite observations to simulate a global ... the ice water path of cirrus clouds. ... [ebert and curry, ... **comparison of the meteorology and surface energy balance ...** - ing difference between the two sites is the difference in wind ... caused by thicker clouds on the latter. ... using an expression by curry and webster **preparing the books to read every day is enjoyable for ...** - media waste water seawater drinking ... s no sew doll clothes patterns volume 1 christine curry ... cloudiness dryness sunshine wind and rain build a fish ... **aerosol - cloud drop concentration closure for clouds ...** - models (e.g., jensen and charlson, 1984; considine and curry, ... simulates the dynamical balance between water vapor availability ... prevailing wind ... **overlap assumptions for assumed probability distribution ...** - overlap assumptions for assumed probability distribution function cloud ... assumed probability distribution function cloud schemes in ... clouds and water ... **advanced retrievals of multilayered cloud properties using ...** - atmospheric profile is the influence of underlying liquid water clouds and ... [liu and curry 1998 ... as well as temperature and wind direction at ... **parameterizing the effects of leads upon the atmosphere ...** - parameterizing the effects of leads upon the atmosphere and surface fluxes of the ... knowfor certain ifthese clouds are indeed related to the lead

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