



ESSL Scientific Report No. 2007-01

ESSL

European Severe Storms Laboratory e.V.

European Conference on Severe Storms

ECSS 2007



Preprints

4th ECSS, ICTP, Trieste, Italy, 10-14 September 2007

As of: 02/02/2009

Revision: [1]

ESSL – European Severe Storms Laboratory e.V.		
Dissemination Level		
PU	Public	X
PO	Restricted to members and partner organizations (including the Advisory Council)	
RE	Restricted to a group specified by the Executive Board (including the Advisory Council)	
CO	Confidential, only for members of the Executive Board (including the Advisory Council)	

Table of contents

ECSS 2007	Preprint volume cover page: http://www.essl.org/ECSS/2007/preprints/booklet_cover.pdf	(0.6 MB)
Session 1:	(LUDWIG BOLTZMANN SESSION) THEORY ON CONVECTION, INSTABILITY AND FORCING http://www.essl.org/ECSS/2007/preprints/chapter_01.pdf	(2.9 MB)
Session 2:	(FRANK LUDLAM SESSION) CASE STUDIES ON HAILSTORMS, HEAVY PRECIPITATION, LIGHTNING, TORNADOES AND STRAIGHT-LINE WINDS http://www.essl.org/ECSS/2007/preprints/chapter_02.pdf	(32 MB)
Session 3:	(LEWIS FRY RICHARDSON SESSION) NUMERICAL SIMULATIONS IN PARTICULAR ON MESOSCALE DOMAINS AND BY CLOUD-RESOLVING MODELS http://www.essl.org/ECSS/2007/preprints/chapter_03.pdf	(12 MB)
Session 4:	(VANGUARD 2 SESSION) SEVERE STORMS AND SATELLITE INFORMATION http://www.essl.org/ECSS/2007/preprints/chapter_04.pdf	(15 MB)
Session 5:	(LOU BATTAN SESSION) SEVERE STORMS AND RADAR INFORMATION http://www.essl.org/ECSS/2007/preprints/chapter_05.pdf	(12 MB)
Session 6:	(ROBERT C. MILLER SESSION) FORECASTING AND NOWCASTING OF SEVERE STORMS http://www.essl.org/ECSS/2007/preprints/chapter_06.pdf	(26 MB)
Session 7:	(HEINO TOOMING SESSION) CLIMATOLOGY AND DATABASES OF SEVERE STORMS AND RELATED WEATHER PHENOMENA http://www.essl.org/ECSS/2007/preprints/chapter_07.pdf	(10 MB)
Session 8:	(XXI. CENTURY) SEVERE STORMS AND CLIMATE CHANGE http://www.essl.org/ECSS/2007/preprints/chapter_08.pdf	(2.0 MB)
Session 9:	(HENRY DESSENS SESSION) MICROPHYSICS AND ELECTRIFICATION IN SEVERE STORMS http://www.essl.org/ECSS/2007/preprints/chapter_09.pdf	(1.0 MB)
Session 10:	(NICHOLAS GEORGESCU-ROEGEN SESSION) SOCIAL, ECONOMICAL AND CULTURAL ASPECTS OF SEVERE STORMS http://www.essl.org/ECSS/2007/preprints/chapter_10.pdf	(16 MB)
Session 11:	(THEODOR T. FUJITA SESSION) MOVIES AND PICTURES OF CONVECTIVE SEVERE WEATHER PHENOMENA http://www.essl.org/ECSS/2007/preprints/chapter_11.pdf	(0.1 MB)
ECSS 2007	Preprint volume index: http://www.essl.org/ECSS/2007/preprints/index.pdf	(0.1 MB)

