

Summer 2019 – PGEOG 13000: Weather and Climate Lab

Lab 1L01 [02405] Rm. 1028 M W 3.30-5.35 pm

Instructor: Henry Sirotin

e-mail: hsirotin@hunter.cuny.edu – Please include PGeog 130 in the subject line. Please sign all messages with your first and last name. Note, I don't respond to unsigned messages from kissmesweetie2454@....

Textbooks:

Required Lab Manual:

- Greg Carbone, *Exercises for Weather and Climate*, 9th ed.
Pearson, 2016 ISBN-10: 0134041364, ISBN-13: 9780134041360

DO NOT PURCHASE EARLIER OR USED EDITIONS. USED EDITIONS WILL BE MISSING SECTIONS, AND SEVERAL OF THE LABS HAVE BEEN SIGNIFICANTLY CHANGED FOR THIS EDITION.

Do Not Purchase the Vitalsource/Coursesmart ebook. It has MAJOR formatting problems.

Schedule:

Make sure you've read labs prior to class time. THERE WILL BE PRE-QUIZZES TO THE LABS!

Lab No.	Date	Title	Questions to Complete	PreQ	MapQ
App.	5/29	Location	Part I: 1-2; Part II: 1-4		
	5/29	Time	Part I: 1-4; Part II: 1a & 1b		
	5/29	Isolines	Part I and Part II		
1	6/3	Vertical Structure of the Atmosphere	1-18	1	Australia Pacific
2	6/5	Earth-Sun Geometry	1-6 [for 4-6, use anilemma], 9 -13; 17-19 [For 1, compute the solar angle for all eight positions.] Give radiation values for <u>all</u> solar angles	2	N and S America
3, 4	6/10	The Surface Energy Budget The Global Energy Budget	Surface: 1-15, 20 Global: 1-4, 11-15	3	
13	6/12	Hurricanes	1-17		
5	6/17	Atmospheric Moisture	10-24	4	Europe
6	6/19	Saturation and Atmospheric Stability	1-16, 18-25	5	Africa
9	6/24	Weather Map Analysis	1-3, 5, 7-9	6	
10	6/26	Mid-Latitude Cyclones	1-17	7	WAsia
14	7/1	Climate Controls	1-18, 20-21	8	C Asia
15	7/3	Climate Classification	1-2, 4-5, 7-25	9	S Asia
16	7/8	Climate Variability	1-5, 7-11, 13-16, 18, 21-23		

Labs *must* be turned in at the BEGINNING OF THE FOLLOWING lab.

No lab will be accepted more than one week after the due date!