

ATMOSPHERE PROTOCOL REFRESHER

Please answer Y/N where appropriate.

1. Are you/your students currently collecting Atmosphere Data? _____
2. If not, when do you plan to begin? _____
3. If so, are you/your students entering the data into the GLOBE pages? _____
4. If not, when do you plan to begin? _____
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5. Has solar noon been calculated for your school for this season? _____
6. Is data being collected one hour on either side of solar noon? _____
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7. Is cloud data being taken at the weather station? _____
8. Is cloud data being taken within a relatively unobstructed view? _____
9. Are cloud type and cloud cover both being recorded? _____
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10. Is the weather station positioned at a distance away - 4 times the height of the tallest object near it?
It will be. _____
11. If not, do you have this information recorded in the Define a Study Site information? _____
12. Is the weather station mounted
 - a) with the door opening to the north? _____
 - b) with the max/min thermometer 1.5 meters from the ground surface or 0.6 meters above the mean high snow pack level? _____
 - c) with air vents/holes and painted white? _____
 - d) on a grassy or other natural surface? _____If not, has this information been recorded in the GLOBE atmosphere metadata? _____
13. Is the rain gauge mounted
 - a) on the same pole as the weather station? _____
If so, what distance is it above the weather station? _____
 - b) on a separate pole at least 3 to 4 meters away from the weather station? _____
14. Is data for rainwater pH being collected? _____
15. If not, why? _____
16. How many days of data per week are being collected? _____
 - a) for clouds _____
 - b) for precipitation _____
 - c) for maximum and minimum temperature _____
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17. Is the max/min thermometer
 - a) being reset each day at solar noon? _____
 - b) being read at the bottom of each indicator? _____
18. Is the current temperature being recorded with the max/min? _____
19. If data is not being collected throughout the weekend,
 - a) is the max/min being reset on Monday? _____
 - b) is the precip being recorded, when there is precip, as an amount accumulated over a number of days? _____
20. Is the letter "T" being used for precip amounts less than .5mm? _____
21. Is the letter "M" being used when data is missing (in other words "lost")? _____
22. Is the number "0" (zero) being reported when no precip falls? _____
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23. Is the max/min thermometer being calibrated at least once every 6 months? _____
24. Is the pH pen or meter being calibrated before each use? _____

25. Are students occasionally checked on their ability to read

a) the max/min thermometer? _____

b) the rain gauge? _____

c) the pH meter? _____

26. In areas where snow falls, is snowfall being recorded? _____

27. If so, are several depths being measured each time and averaged? _____

28. If so, is the pH of the melted snow being recorded? _____

29. Is the snowboard

a) thin, flat, at least 40 cm X 40 cm, and light colored? _____

b) resting on top of a flat ground or snow surface? _____

30. Is the letter "T" being entered for snowfall between 0 and 0.5mm? _____

31. Is all the weather equipment being maintained and kept clean? _____

32. Have you had problems with vandalism? _____

33. Have you had problems with winter breakage? _____

If so, how are you remedying the situation? _____

34. Is the site registered by GPS? _____

35. Is a group (more than one student) collecting data each day? _____

36. Are pairs of students entering data for improved accuracy? _____

37. Is your school's data archive being periodically checked for accuracy? _____

38. Which of the Atmosphere Learning Activities have you taught to your class(es)? _____

39. Which of the Atmosphere Learning Activities do you plan to use again? _____