Project Ocean Module – Deep Ocean and Shallow Water Waves Key – 2025 Version:

Deep Ocean and Shallow Water Waves

1. c. 73
2. d. 36.5
3. a. outside
4. b. within
5. b. 42.2
6. a. 6.1
7. d. 8.1

Table 6: Inferred wave conditions

Date	Time Frame	Highest Significant Wave Height (WVHT, m)	Longest Average Wave Period (APD, sec)	6-hour Averaged Wind Direction (WDIR, °)	6-hour Averaged Wind Speed (WSPD, m/s)
7/9/21	1240 UTC – 1740 UTC	3.86	6.74	161	11.4

8. b. fit
9. c. higher
10. c. longer
11. c. higher
12. a. energy
13. b. horizontal distance from crest to crest
14. c. vertical distance from crest to trough
15. b. does not depend on
16. a. 1/20
17. b. shallow
18. c. surface tension of water
19. b. an increase
20. a. from a distant area